FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
Cabot Norit Americas, Inc.

AUTHORIZING THE OPERATION OF
Marshall Plant
Industrial Inorganic Chemicals

LOCATED AT
Harrison County, Texas
Latitude 32° 32' 8" Longitude 94° 24' 0"
Regulated Entity Number: RN102609724

This permit is issued in accordance with and subject to the Texas Clean Air Act (TCAA), Chapter 382 of the Texas Health and Safety Code and Title 30 Texas Administrative Code Chapter 122 (30 TAC Chapter 122), Federal Operating Permits. Under 30 TAC Chapter 122, this permit constitutes the permit holder's authority to operate the site and emission units listed in this permit. Operations of the site and emission units listed in this permit are subject to all additional rules or amended rules and orders of the Commission pursuant to the TCAA.

This permit does not relieve the permit holder from the responsibility of obtaining New Source Review authorization for new, modified, or existing facilities in accordance with 30 TAC Chapter 116, Control of Air Pollution by Permits for New Construction or Modification.

The site and emission units authorized by this permit shall be operated in accordance with 30 TAC Chapter 122, the general terms and conditions, special terms and conditions, and attachments contained herein.

This permit shall expire five years from the date of issuance. The renewal requirements specified in 30 TAC § 122.241 must be satisfied in order to renew the authorization to operate the site and emission units.

Permit No: O3335 Issuance Date: _____

_____
For the Commission

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General Terms and Conditions

The permit holder shall comply with all terms and conditions contained in 30 TAC § 122.143 (General Terms and Conditions), 30 TAC § 122.144 (Recordkeeping Terms and Conditions), 30 TAC § 122.145 (Reporting Terms and Conditions), and 30 TAC § 122.146 (Compliance Certification Terms and Conditions).

In accordance with 30 TAC § 122.144(1), records of required monitoring data and support information required by this permit, or any applicable requirement codified in this permit, are required to be maintained for a period of five years from the date of the monitoring report, sample, or application unless a longer data retention period is specified in an applicable requirement. The five year record retention period supersedes any less stringent retention requirement that may be specified in a condition of a permit identified in the New Source Review Authorization attachment.

If the permit holder chooses to demonstrate that this permit is no longer required, a written request to void this permit shall be submitted to the Texas Commission on Environmental Quality (TCEQ) by the Responsible Official in accordance with 30 TAC § 122.161(e). The permit holder shall comply with the permit's requirements, including compliance certification and deviation reporting, until notified by the TCEQ that this permit is voided.

The permit holder shall comply with 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit.

All reports required by this permit must include in the submittal a cover letter which identifies the following information: company name, TCEQ regulated entity number, air account number (if assigned), site name, area name (if applicable), and Air Permits Division permit number(s).

Special Terms and Conditions:

Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting

1. Permit holder shall comply with the following requirements:

   A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.

   B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.

   C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.

D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.

E. Emission units subject to 40 CFR Part 63, Subpart ZZZZ as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.1090 which incorporates the 40 CFR Part 63 Subpart by reference.

F. For the purpose of generating discrete emission reduction credits through 30 TAC Chapter 101, Subchapter H, Division 4 (Discrete Emission Credit Banking and Trading), the permit holder shall comply with the following requirements:

(i) Title 30 TAC § 101.372 (relating to General Provisions)

(ii) Title 30 TAC § 101.373 (relating to Discrete Emission Reduction Credit Generation and Certification)

(iii) Title 30 TAC § 101.374 (relating to Mobile Discrete Emission Reduction Credit Generation and Certification)

(iv) Title 30 TAC § 101.378 (relating to Discrete Emission Credit Banking and Trading)

(v) The terms and conditions by which the emission limits are established to generate the discrete reduction credit are applicable requirements of this permit

2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):

A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements

B. Title 30 TAC § 101.3 (relating to Circumvention)

C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ

D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ

E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)

F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)

G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)

H. Title 30 TAC § 101.221 (relating to Operational Requirements)

I. Title 30 TAC § 101.222 (relating to Demonstrations)

J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)

3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:

A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed either before or after January 31, 1972 that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1 , shall not exceed 20% opacity averaged over a six minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:

(i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)

(ii) Title 30 TAC § 111.111(a)(1)(E)

(iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)

(iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as plumbing vents; or vent emissions from any other source that does not obstruct the transmission of light. Vents, as specified in the "Applicable Requirements Summary" attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:

(1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.

(2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.

(3) Records of all observations shall be maintained.

(4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible

emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(5) Compliance Certification:

(a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).

(b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

(c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.

B. For visible emissions from a building, enclosed facility, or other structure; the permit holder shall comply with the following requirements:

(i) Title 30 TAC § 111.111(a)(7)(A) (relating to Requirements for Specified Sources)

(ii) Title 30 TAC § 111.111(a)(7)(B)(i) or (ii)

(iii) For a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source subject to 30 TAC § 111.111(a)(7)(A), complying with 30 TAC § 111.111(a)(7)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:

(1) An observation of visible emissions from a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source which is required to comply with 30 TAC § 111.111(a)(7)(A) shall be conducted at least once during each calendar quarter unless the air emission source or enclosed facility is not operating for the entire quarter.

(2) Records of all observations shall be maintained.

(3) Visible emissions observations of air emission sources or enclosed facilities operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of air emission sources or enclosed facilities operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each emissions outlet in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each emissions outlet during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(4) Compliance Certification:

(a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(7) and (a)(7)(A)

(b) However, if visible emissions are present during the observation, the permit holder shall either list this

occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(7)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

C. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be accomplished by completing the Visible Emissions Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.

D. For emission units with contributions from uncombined water, the permit holder shall comply with the requirements of 30 TAC § 111.111(b).

E. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:

(i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)

(ii) Sources with an effective stack height (h_e) less than the standard effective stack height (H_e), must reduce the allowable emission level by multiplying it by $[h_e/H_e]^2$ as required in 30 TAC § 111.151(b)

(iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)

F. Outdoor burning, as stated in 30 TAC § 111.201, shall not be authorized unless the following requirements are satisfied:

(i) Title 30 TAC § 111.207 (relating to Exception for Recreation, Ceremony, Cooking, and Warmth)

(ii) Title 30 TAC § 111.209 (relating to Exception for Disposal Fires)

(iii) Title 30 TAC § 111.219 (relating to General Requirements for Allowable Outdoor Burning)

(iv) Title 30 TAC § 111.221 (relating to Responsibility for Consequences of Outdoor Burning)

4. Permit holder shall comply with the following 30 TAC Chapter 115, Subchapter C requirements:

A. When filling stationary gasoline storage containers with a nominal capacity less than or equal to 1,000 gallons at a Stage I motor vehicle fuel dispensing facility, the permit holder shall comply with the following requirements specified in 30 TAC Chapter 115, Subchapter C:

(i) Title 30 TAC § 115.222(3) (relating to Control Requirements), as it applies to liquid gasoline leaks, visible vapors, or significant odors

(ii) Title 30 TAC § 115.222(6) (relating to Control Requirements)

(iii) Title 30 TAC § 115.224(1) (relating to Inspection Requirements), as it applies to liquid gasoline leaks, visible vapors, or significant odors

5. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:

A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)

B. Title 40 CFR § 60.8 (relating to Performance Tests)

C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)

D. Title 40 CFR § 60.12 (relating to Circumvention)

E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)

F. Title 40 CFR § 60.14 (relating to Modification)

G. Title 40 CFR § 60.15 (relating to Reconstruction)

H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)

6. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.

Additional Monitoring Requirements

7. Unless otherwise specified, the permit holder shall comply with the compliance assurance monitoring requirements as specified in the attached "CAM Summary" upon issuance of the permit. In addition, the permit holder shall comply with the following:

A. The permit holder shall comply with the terms and conditions contained in 30 TAC § 122.147 (General Terms and Conditions for Compliance Assurance Monitoring).

B. The permit holder shall report, consistent with the averaging time identified in the "CAM Summary," deviations as defined by the deviation limit in the "CAM Summary." Any monitoring data below a minimum limit or above a maximum limit, that is collected in accordance with the requirements specified in 40 CFR § 64.7(c), shall be reported as a deviation. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

C. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time specified in the "CAM Summary," for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances in order to avoid reporting deviations. All monitoring data shall be collected in accordance with the requirements specified in 40 CFR § 64.7(c).

D. The permit holder shall operate the monitoring, identified in the attached "CAM Summary," in accordance with the provisions of 40 CFR § 64.7.

E. The permit holder shall comply with either of the following requirements for any particulate matter capture system associated with the control device subject to CAM. If the results of the following inspections indicate that the capture system is not working properly, the permit holder shall promptly take necessary corrective action:

(i) Once per year the permit holder shall inspect any fan for proper operation and inspect the capture system used in compliance of CAM for cracks, holes, tears, and other defects; or

(ii) Once per year, the permit holder shall inspect for fugitive emissions escaping from the capture system in compliance of CAM by performing a visible emissions observation for a period of at least six minutes in accordance with 40 CFR Part 60, Appendix A, Test Method 22.

F. The permit holder shall comply with the requirements of 40 CFR § 70.6(a)(3)(ii)(A) and 30 TAC § 122.144(1)(A)-(F) for documentation of all required inspections.

8. The permit holder shall comply with the periodic monitoring requirements as specified in the attached "Periodic Monitoring Summary" upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time specified in the "Periodic Monitoring Summary," for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

New Source Review Authorization Requirements

9. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule, standard permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:

A. Are incorporated by reference into this permit as applicable requirements

B. Shall be located with this operating permit

C. Are not eligible for a permit shield

10. The permit holder shall comply with the general requirements of 30 TAC Chapter 106, Subchapter A or the general requirements, if any, in effect at the time of the claim of any PBR.

11. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

12. The permit holder shall comply with the following requirements for Air Quality Standard Permits:

A. Registration requirements listed in 30 TAC § 116.611, unless otherwise provided for in an Air Quality Standard Permit

B. General Conditions listed in 30 TAC § 116.615, unless otherwise provided for in an Air Quality Standard Permit

C. Applicable requirements of 30 TAC § 116.617 for Pollution Control Projects based on the information contained in the registration application.

Compliance Requirements

13. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.

14. The permit holder shall adhere to the provisions in the Compliance Schedule attachment of this permit and submit certified progress reports consistent with the schedule established under 30 TAC § 122.132(e)(4)(C) and including the information specified in 30 TAC § 122.142(e)(2). Those emission units listed in the Compliance Schedule attachment shall adhere with the requirements in the Compliance Schedule attachment until operating fully in compliance with the applicable requirements.

15. Use of Discrete Emission Credits to comply with the applicable requirements:

A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:

(i) Title 30 TAC Chapter 115

(ii) Title 30 TAC Chapter 117

(iii) If applicable, offsets for Title 30 TAC Chapter 116

(iv) Temporarily exceed state NSR permit allowables

B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:

(i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)

(ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4

(iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)

(iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122

(v) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)

Protection of Stratospheric Ozone

16. Permit holders at a site subject to Title VI of the FCAA Amendments shall meet the following requirements for protection of stratospheric ozone:

A. Any on site servicing, maintenance, and repair on refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants or non-exempt substitutes shall be conducted in accordance with 40 CFR Part 82, Subpart F. Permit holders shall ensure that repairs on or refrigerant removal from refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants are performed only by properly certified technicians using certified equipment. Records shall be maintained as required by 40 CFR Part 82, Subpart F.

Permit Location

17. The permit holder shall maintain a copy of this permit and records related to requirements listed in this permit on site.

Permit Shield (30 TAC § 122.148)

18. A permit shield is granted for the emission units, groups, or processes specified in the attached "Permit Shield." Compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements listed in the attachment "Permit Shield." Permit shield provisions shall not be modified by the executive director until notification is provided to the permit holder. No later than 90 days after notification of a change in a determination made by the executive director, the permit holder shall apply for the appropriate permit revision to reflect the new determination. Provisional terms are not eligible for this permit shield. Any term or condition, under a permit shield, shall not be protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

Permit Shield

New Source Review Authorization References

Schedules

Applicable Requirements Summary

Note: A "none" entry may be noted for some emission sources in this permit's "Applicable Requirements Summary" under the heading of "Monitoring and Testing Requirements" and/or "Recordkeeping Requirements" and/or "Reporting Requirements." Such a notation indicates that there are no requirements for the indicated emission source as identified under the respective column heading(s) for the stated portion of the regulation when the emission source is operating under the conditions of the specified SOP Index Number. However, other relevant requirements pursuant to 30 TAC Chapter 122 including Recordkeeping Terms and Conditions (30 TAC § 122.144), Reporting Terms and Conditions (30 TAC § 122.145), and Compliance Certification Terms and Conditions (30 TAC § 122.146) continue to apply.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
10BKBNDCSK	Emission Points/Stationary Vents/Process Vents	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
11BKBNDCSK	Emission Points/Stationary Vents/Process Vents	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
12BKBNDCSK	Emission Points/Stationary Vents/Process Vents	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
1BKBNDCSK	Emission Points/Stationary Vents/Process Vents	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
2BKBNDCSK	Emission Points/Stationary Vents/Process Vents	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
3BKBNDCSK	Emission Points/Stationary Vents/Process Vents	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
4BKBNDCSK	Emission Points/Stationary Vents/Process Vents	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
4DRYDCSTK	Emission Points/Stationary Vents/Process Vents	N/A	R1151-1	30 TAC Chapter 111, Nonagricultural Processes	No changing attributes.
4DRYDCSTK	Emission Points/Stationary Vents/Process Vents	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
4MILLDCSTK	Emission Points/Stationary Vents/Process Vents	N/A	R1151-1	30 TAC Chapter 111, Nonagricultural Processes	No changing attributes.
4MILLDCSTK	Emission Points/Stationary Vents/Process Vents	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
4SCRNDCSK	Emission Points/Stationary Vents/Process Vents	N/A	R1151-1	30 TAC Chapter 111, Nonagricultural Processes	No changing attributes.
4SCRNDCSK	Emission Points/Stationary Vents/Process Vents	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
5BKBNDCSK	Emission Points/Stationary Vents/Process Vents	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
5DS	SRIC Engines	N/A	60IIII-1	40 CFR Part 60, Subpart IIII	No changing attributes.
5DS	SRIC Engines	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
5MILLDCSTK	Emission Points/Stationary Vents/Process Vents	N/A	R1151-1	30 TAC Chapter 111, Nonagricultural Processes	No changing attributes.
5MILLDCSTK	Emission Points/Stationary Vents/Process Vents	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
6BKBNDCSK	Emission Points/Stationary Vents/Process Vents	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
7BKBNDCSK	Emission Points/Stationary Vents/Process Vents	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
8BKBNDCSK	Emission Points/Stationary Vents/Process Vents	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
9BKBNDCSK	Emission Points/Stationary Vents/Process Vents	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
AREAADCVNT	Emission Points/Stationary Vents/Process Vents	N/A	R1151-1	30 TAC Chapter 111, Nonagricultural Processes	No changing attributes.
AREAADCVNT	Emission Points/Stationary Vents/Process Vents	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
AREABDCVNT	Emission Points/Stationary Vents/Process Vents	N/A	R1151-1	30 TAC Chapter 111, Nonagricultural Processes	No changing attributes.
AREABDCVNT	Emission Points/Stationary Vents/Process Vents	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
EMERGEN	SRIC Engines	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
FGTVTRNSFR	Coal Preparation Plants	N/A	60Y-1	40 CFR Part 60, Subpart Y	No changing attributes.
GROUP 1	Coal Preparation Plants	MHFLS2DCVT, MHFLSDCVT	60Y-1	40 CFR Part 60, Subpart Y	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GROUP 2	Coal Preparation Plants	M2FDBNDCVT, M3FDBNDCVT, MHFXFRDCVT	60Y-1	40 CFR Part 60, Subpart Y	No changing attributes.
GROUP 5	Coal Preparation Plants	LS1DCVT, LS2DCVT	60Y-1	40 CFR Part 60, Subpart Y	No changing attributes.
HVRPKRDCSK	Emission Points/Stationary Vents/Process Vents	N/A	R1151-1	30 TAC Chapter 111, Nonagricultural Processes	No changing attributes.
HVRPKRDCSK	Emission Points/Stationary Vents/Process Vents	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
ITGEN	SRIC Engines	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
K2AUX	SRIC Engines	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
K3AUX	SRIC Engines	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
K4AUX	SRIC Engines	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
K5AUX	SRIC Engines	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
KLN5TRNSFR	Coal Preparation Plants	N/A	60Y-1	40 CFR Part 60, Subpart Y	No changing attributes.
KN2ASBDCSK	Emission Points/Stationary Vents/Process Vents	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
KN2BSBDCSK	Emission Points/Stationary Vents/Process Vents	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
KN3ASBDCSK	Emission Points/Stationary Vents/Process Vents	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
KN3BSBDCSK	Emission Points/Stationary Vents/Process Vents	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
KN4ASBDCSK	Emission Points/Stationary Vents/Process Vents	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
KN4BSBDCSK	Emission Points/Stationary Vents/Process Vents	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
LGPTTOLSB	Coal Preparation Plants	N/A	60Y-1	40 CFR Part 60, Subpart Y	No changing attributes.
LGTUNLPIT	Coal Preparation Plants	N/A	60Y-1	40 CFR Part 60, Subpart Y	No changing attributes.
LIGCNV2	Coal Preparation Plants	N/A	60Y-2	40 CFR Part 60, Subpart Y	No changing attributes.
LIGSIL4VFD	Coal Preparation Plants	N/A	60Y-1	40 CFR Part 60, Subpart Y	No changing attributes.
MAINSTACK	Emission Points/Stationary Vents/Process Vents	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
MASEPUMP	SRIC Engines	N/A	60IIII-1	40 CFR Part 60, Subpart IIII	No changing attributes.
MASEPUMP	SRIC Engines	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
PHBACKUP	SRIC Engines	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
RWKSTADCSK	Emission Points/Stationary Vents/Process Vents	N/A	R1151-1	30 TAC Chapter 111, Nonagricultural Processes	No changing attributes.
RWKSTADCSK	Emission Points/Stationary Vents/Process Vents	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
STAMLER	Coal Preparation Plants	N/A	60Y-1	40 CFR Part 60, Subpart Y	No changing attributes.
WILLMILL	Coal Preparation Plants	N/A	60Y-1	40 CFR Part 60, Subpart Y	No changing attributes.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
10BKBNDCSK	EP	R1111-1	PM (Opacity)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
11BKBNDCSK	EP	R1111-1	PM (Opacity)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
12BKBNDCSK	EP	R1111-1	PM (Opacity)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
1BKBNDCSK	EP	R1111-1	PM (Opacity)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
2BKBNDCSK	EP	R1111-1	PM (Opacity)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
3BKBNDCSK	EP	R1111-1	PM (Opacity)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
4BKBNDCSK	EP	R1111-1	PM (Opacity)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
4DRYDCSTK	EP	R1151-1	PM	30 TAC Chapter 111, Nonagricultural Processes	§ 111.151(a) § 111.151(c)	No person may cause, suffer, allow, or permit emissions of particulate matter from any source to exceed the allowable rates specified in Table 1 as follows, except as provided by §111.153 of this title (relating to Emissions Limits for Steam Generators).	** See CAM Summary	None	None
4DRYDCSTK	EP	R1111-1	PM (Opacity)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See CAM Summary	None	None
4MILLDCSTK	EP	R1151-1	PM	30 TAC Chapter 111, Nonagricultural Processes	§ 111.151(a) § 111.151(c)	No person may cause, suffer, allow, or permit emissions of particulate matter from any source to exceed the allowable rates specified in Table 1 as follows, except as provided by §111.153 of this title (relating to Emissions Limits for Steam Generators).	** See CAM Summary	None	None
4MILLDCSTK	EP	R1111-1	PM (Opacity)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See CAM Summary	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
4SCRNDCSK	EP	R1151-1	PM	30 TAC Chapter 111, Nonagricultural Processes	§ 111.151(a) § 111.151(c)	No person may cause, suffer, allow, or permit emissions of particulate matter from any source to exceed the allowable rates specified in Table 1 as follows, except as provided by §111.153 of this title (relating to Emissions Limits for Steam Generators).	** See CAM Summary	None	None
4SCRNDCSK	EP	R1111-1	PM (Opacity)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See CAM Summary	None	None
5BKBNDCSK	EP	R1111-1	PM (Opacity)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
5DS	EU	60IIII-1	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 37 KW and less than 130 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 5.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	None	None	[G]§ 60.4214(d)
5DS	EU	60IIII-1	NMHC and NO_x	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 75 KW and less than or equal to 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NOx emission limit of 4.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	None	None	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
5DS	EU	60IIII-1	PM (Opacity)	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.113(a)(1) § 89.113(a)(2) § 89.113(a)(3)	Emergency stationary CI ICE, that are not fire pump engines, with displacement < 10 lpc and not constant-speed engines, with max engine power < 2237 KW and a 2007 model year and later or max engine power > 2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during lugging, 50% during peaks in either acceleration or lugging modes as stated in §60.4202(a)(1)-(2), (b)(2) and §89.113(a)(1)-(3) and §1039.105(b)(1)-(3).	None	None	[G]§ 60.4214(d)
5DS	EU	60IIII-1	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 75 KW and less than 130 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.30 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	None	None	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
5DS	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
5MILLDCSTK	EP	R1151-1	PM	30 TAC Chapter 111, Nonagricultural Processes	§ 111.151(a) § 111.151(c)	No person may cause, suffer, allow, or permit emissions of particulate matter from any source to exceed the allowable rates specified in Table 1 as follows, except as provided by §111.153 of this title (relating to Emissions Limits for Steam Generators).	** See CAM Summary	None	None
5MILLDCSTK	EP	R1111-1	PM (Opacity)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See CAM Summary	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
6BKBNDCSK	EP	R1111-1	PM (Opacity)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
7BKBNDCSK	EP	R1111-1	PM (Opacity)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
8BKBNDCSK	EP	R1111-1	PM (Opacity)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
9BKBNDCSK	EP	R1111-1	PM (Opacity)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
AREAADCVNT	EP	R1151-1	PM	30 TAC Chapter 111, Nonagricultural Processes	§ 111.151(a) § 111.151(c)	No person may cause, suffer, allow, or permit emissions of particulate matter from any source to exceed the allowable rates specified in Table 1 as follows, except as provided by §111.153 of this title (relating to Emissions Limits for Steam Generators).	** See CAM Summary	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
AREAADCVNT	EP	R1111-1	PM (Opacity)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See CAM Summary	None	None
AREABDCVNT	EP	R1151-1	PM	30 TAC Chapter 111, Nonagricultural Processes	§ 111.151(a) § 111.151(c)	No person may cause, suffer, allow, or permit emissions of particulate matter from any source to exceed the allowable rates specified in Table 1 as follows, except as provided by §111.153 of this title (relating to Emissions Limits for Steam Generators).	** See CAM Summary	None	None
AREABDCVNT	EP	R1111-1	PM (Opacity)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See CAM Summary	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
EMERGEN	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2) § 63.6640(f)(3)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)
FGTVTRNSFR	EU	60Y-1	PM (Opacity)	40 CFR Part 60, Subpart Y	§ 60.254(b)(1) § 60.254(b) § 60.255(c) § 60.257(a)	Except as provided in paragraph (b)(3) of this section, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008 must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater.	§ 60.255(b) [G]§ 60.255(b)(2) § 60.257(a) [G]§ 60.257(a)(1) [G]§ 60.257(a)(3)	§ 60.258(a) § 60.258(a)(1) § 60.258(a)(2) § 60.258(a)(3) § 60.258(a)(4) § 60.258(a)(5) § 60.258(a)(6)	§ 60.258(b) § 60.258(b)(3) § 60.258(c) § 60.258(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GROUP 1	EU	60Y-1	PM	40 CFR Part 60, Subpart Y	§ 60.254(b)(2) § 60.254(b) [G]§ 60.255(e)	An owner or operator of any mechanical vent constructed, reconstructed, or modified after April 28, 2008 must not cause to be discharged into the atmosphere from any mechanical vent on an affected facility gases which contain particulate matter in excess of 0.023 g/dscm (0.010 gr/dscf).	§ 60.255(b) § 60.255(b)(1) § 60.255(b)(1)(i) § 60.255(b)(1)(ii) § 60.255(b)(1)(iii) § 60.257(a) [G]§ 60.257(a)(1) [G]§ 60.257(a)(3)	§ 60.258(a) § 60.258(a)(1) § 60.258(a)(3) § 60.258(a)(4) § 60.258(a)(5) § 60.258(a)(6)	§ 60.258(b) § 60.258(b)(3) § 60.258(c) § 60.258(d)
GROUP 2	EU	60Y-1	PM	40 CFR Part 60, Subpart Y	§ 60.254(b)(2) § 60.254(b) [G]§ 60.255(e)	An owner or operator of any mechanical vent constructed, reconstructed, or modified after April 28, 2008 must not cause to be discharged into the atmosphere from any mechanical vent on an affected facility gases which contain particulate matter in excess of 0.023 g/dscm (0.010 gr/dscf).	§ 60.255(b) § 60.255(b)(1) § 60.255(b)(1)(i) § 60.255(b)(1)(ii) § 60.255(b)(1)(iii) § 60.257(a) [G]§ 60.257(a)(1) [G]§ 60.257(a)(3)	§ 60.258(a) § 60.258(a)(1) § 60.258(a)(3) § 60.258(a)(4) § 60.258(a)(5) § 60.258(a)(6)	§ 60.258(b) § 60.258(b)(3) § 60.258(c) § 60.258(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GROUP 5	EU	60Y-1	PM (Opacity)	40 CFR Part 60, Subpart Y	§ 60.254(b)(1) § 60.254(b) § 60.255(c) § 60.257(a)	Except as provided in paragraph (b)(3) of this section, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008 must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater.	§ 60.255(b) [G]§ 60.255(f) § 60.257(a) [G]§ 60.257(a)(1) [G]§ 60.257(a)(3)	§ 60.258(a) § 60.258(a)(1) § 60.258(a)(2) § 60.258(a)(3) § 60.258(a)(4)	§ 60.258(b) § 60.258(b)(3) § 60.258(c) § 60.258(d)
HVRPKRDCSK	EP	R1151-1	PM	30 TAC Chapter 111, Nonagricultural Processes	§ 111.151(a) § 111.151(c)	No person may cause, suffer, allow, or permit emissions of particulate matter from any source to exceed the allowable rates specified in Table 1 as follows, except as provided by §111.153 of this title (relating to Emissions Limits for Steam Generators).	** See CAM Summary	None	None
HVRPKRDCSK	EP	R1111-1	PM (Opacity)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See CAM Summary	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ITGEN	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
K2AUX	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2) § 63.6640(f)(3)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
K3AUX	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2) § 63.6640(f)(3)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)
K4AUX	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2) § 63.6640(f)(3)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)
K5AUX	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2) § 63.6640(f)(3)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
KLN5TRNSFR	EU	60Y-1	PM (Opacity)	40 CFR Part 60, Subpart Y	§ 60.254(b)(1) § 60.254(b) § 60.255(c) § 60.257(a)	Except as provided in paragraph (b)(3) of this section, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008 must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater.	§ 60.255(b) [G]§ 60.255(b)(2) § 60.257(a) [G]§ 60.257(a)(1) [G]§ 60.257(a)(3)	§ 60.258(a) § 60.258(a)(1) § 60.258(a)(2) § 60.258(a)(3) § 60.258(a)(4) § 60.258(a)(5) § 60.258(a)(6)	§ 60.258(b) § 60.258(b)(3) § 60.258(c) § 60.258(d)
KN2ASBDCSK	EP	R1111-1	PM (Opacity)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
KN2BSBDCSK	EP	R1111-1	PM (Opacity)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
KN3ASBDCSK	EP	R1111-1	PM (Opacity)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
KN3BSBDCSK	EP	R1111-1	PM (Opacity)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
KN4ASBDCSK	EP	R1111-1	PM (Opacity)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
KN4BSBDCSK	EP	R1111-1	PM (Opacity)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
LGPTTOLSB	EU	60Y-1	PM (Opacity)	40 CFR Part 60, Subpart Y	§ 60.254(b)(1) § 60.254(b) § 60.255(c) § 60.257(a)	Except as provided in paragraph (b)(3) of this section, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008 must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater.	§ 60.255(b) [G]§ 60.255(b)(2) § 60.257(a) [G]§ 60.257(a)(1) [G]§ 60.257(a)(3)	§ 60.258(a) § 60.258(a)(1) § 60.258(a)(2) § 60.258(a)(3) § 60.258(a)(4) § 60.258(a)(5) § 60.258(a)(6)	§ 60.258(b) § 60.258(b)(3) § 60.258(c) § 60.258(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
LGTUNLPIT	EU	60Y-1	PM (Opacity)	40 CFR Part 60, Subpart Y	§ 60.254(b)(1) § 60.254(b) § 60.255(c) § 60.257(a)	Except as provided in paragraph (b)(3) of this section, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008 must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater.	[G]§ 60.255(h)	§ 60.258(a) § 60.258(a)(1) § 60.258(a)(2) § 60.258(a)(3) § 60.258(a)(4) § 60.258(a)(5) § 60.258(a)(6)	§ 60.258(b) § 60.258(b)(3) § 60.258(c) § 60.258(d)
LIGCNV2	EU	60Y-2	PM (Opacity)	40 CFR Part 60, Subpart Y	§ 60.254(a) § 60.257(a)	On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator shall not cause to be discharged into the atmosphere from any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified on or before April 28, 2008, gases which exhibit 20 percent opacity or greater.	§ 60.255(a) § 60.257(a) [G]§ 60.257(a)(1) [G]§ 60.257(a)(3) ** See Periodic Monitoring Summary	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
LIGSIL4VFD	EU	60Y-1	PM (Opacity)	40 CFR Part 60, Subpart Y	§ 60.254(b)(1) § 60.254(b) § 60.255(c) § 60.257(a)	Except as provided in paragraph (b)(3) of this section, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008 must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater.	§ 60.255(b) [G]§ 60.255(b)(2) § 60.257(a) [G]§ 60.257(a)(1) [G]§ 60.257(a)(3)	§ 60.258(a) § 60.258(a)(1) § 60.258(a)(2) § 60.258(a)(3) § 60.258(a)(4) § 60.258(a)(5) § 60.258(a)(6)	§ 60.258(b) § 60.258(b)(3) § 60.258(c) § 60.258(d)
MAINSTACK	EP	R1111-1	PM (Opacity)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
MASEPUMP	EU	60IIII-1	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 37 KW and less than 130 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 5.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	None	None	[G]§ 60.4214(d)
MASEPUMP	EU	60IIII-1	NMHC and NO_x	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 75 KW and less than or equal to 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NOx emission limit of 4.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	None	None	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
MASEPUMP	EU	60IIII-1	PM (Opacity)	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.113(a)(1) § 89.113(a)(2) § 89.113(a)(3)	Emergency stationary CI ICE, that are not fire pump engines, with displacement < 10 lpc and not constant-speed engines, with max engine power < 2237 KW and a 2007 model year and later or max engine power > 2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during lugging, 50% during peaks in either acceleration or lugging modes as stated in §60.4202(a)(1)-(2), (b)(2) and §89.113(a)(1)-(3) and §1039.105(b)(1)-(3).	None	None	[G]§ 60.4214(d)
MASEPUMP	EU	60IIII-1	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 75 KW and less than 130 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.30 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	None	None	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
MASEPUMP	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
PHBACKUP	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
RWKSTADCSK	EP	R1151-1	PM	30 TAC Chapter 111, Nonagricultural Processes	§ 111.151(a) § 111.151(c)	No person may cause, suffer, allow, or permit emissions of particulate matter from any source to exceed the allowable rates specified in Table 1 as follows, except as provided by §111.153 of this title (relating to Emissions Limits for Steam Generators).	** See CAM Summary	None	None
RWKSTADCSK	EP	R1111-1	PM (Opacity)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See CAM Summary	None	None
STAMLER	EU	60Y-1	PM (Opacity)	40 CFR Part 60, Subpart Y	§ 60.254(b)(1) § 60.254(b) § 60.255(c) § 60.257(a)	Except as provided in paragraph (b)(3) of this section, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008 must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater.	§ 60.255(b) [G]§ 60.255(b)(2) § 60.257(a) [G]§ 60.257(a)(1) [G]§ 60.257(a)(3)	§ 60.258(a) § 60.258(a)(1) § 60.258(a)(2) § 60.258(a)(3) § 60.258(a)(4) § 60.258(a)(5) § 60.258(a)(6)	§ 60.258(b) § 60.258(b)(3) § 60.258(c) § 60.258(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
WILLMILL	EU	60Y-1	PM (Opacity)	40 CFR Part 60, Subpart Y	§ 60.254(b)(1) § 60.254(b) § 60.255(c) § 60.257(a)	Except as provided in paragraph (b)(3) of this section, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008 must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater.	§ 60.255(b) [G]§ 60.255(b)(2) § 60.257(a) [G]§ 60.257(a)(1) [G]§ 60.257(a)(3)	§ 60.258(a) § 60.258(a)(1) § 60.258(a)(2) § 60.258(a)(3) § 60.258(a)(4) § 60.258(a)(5) § 60.258(a)(6)	§ 60.258(b) § 60.258(b)(3) § 60.258(c) § 60.258(d)

Additional Monitoring Requirements

CAM Summary

Unit/Group/Process Information	
ID No.: 4DRYDCSTK	
Control Device ID No.: 4DRYERDC	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: PM (Opacity)	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: once per day	
Averaging Period: n/a*	
Deviation Limit: Pressure drop shall be at least 1 inch water gauge pressure and shall not exceed 9 inches water gauge when equipment is in operation.	
CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 0.5 inches water gauge pressure (± 125 pascals); or ± 0.5% of span.	

*The permit holder may elect to collect monitoring data on a more frequent basis and calculate the average as specified by the minimum frequency, for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances to avoid reporting deviations.

CAM Summary

Unit/Group/Process Information	
ID No.: 4DRYDCSTK	
Control Device ID No.: 4DRYERDC	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1151-1
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: once per day	
Averaging Period: n/a*	
Deviation Limit: Pressure drop shall be at least 1 inch water gauge pressure and shall not exceed 9 inches water gauge when equipment is in operation	
CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 0.5 inches water gauge pressure (± 125 pascals); or ± 0.5% of span.	

*The permit holder may elect to collect monitoring data on a more frequent basis and calculate the average as specified by the minimum frequency, for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances to avoid reporting deviations.

CAM Summary

Unit/Group/Process Information	
ID No.: 4MILLDCSTK	
Control Device ID No.: 4MILLDC	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: PM (Opacity)	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: once per day	
Averaging Period: n/a*	
Deviation Limit: Pressure drop shall be at least 1 inch water gauge pressure and shall not exceed 9 inches water gauge when equipment is in operation.	
CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 0.5 inches water gauge pressure (± 125 pascals); or ± 0.5% of span.	

*The permit holder may elect to collect monitoring data on a more frequent basis and calculate the average as specified by the minimum frequency, for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances to avoid reporting deviations.

CAM Summary

Unit/Group/Process Information	
ID No.: 4MILLDCSTK	
Control Device ID No.: 4MILLDC	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1151-1
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: once per day	
Averaging Period: n/a*	
Deviation Limit: Pressure drop shall be at least 1 inch water gauge pressure and shall not exceed 9 inches water gauge when equipment is in operation	
CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 0.5 inches water gauge pressure (± 125 pascals); or ± 0.5% of span.	

*The permit holder may elect to collect monitoring data on a more frequent basis and calculate the average as specified by the minimum frequency, for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances to avoid reporting deviations.

CAM Summary

Unit/Group/Process Information	
ID No.: 4SCRNDCSK	
Control Device ID No.: 4SCRNSDC	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: PM (Opacity)	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: once per day	
Averaging Period: n/a*	
Deviation Limit: Pressure drop shall be at least 1 inch water gauge pressure and shall not exceed 9 inches water gauge when equipment is in operation.	
CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 0.5 inches water gauge pressure (± 125 pascals); or ± 0.5% of span.	

*The permit holder may elect to collect monitoring data on a more frequent basis and calculate the average as specified by the minimum frequency, for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances to avoid reporting deviations.

CAM Summary

Unit/Group/Process Information	
ID No.: 4SCRNDCSK	
Control Device ID No.: 4SCRNSDC	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1151-1
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: once per day	
Averaging Period: n/a*	
Deviation Limit: Pressure drop shall be at least 1 inch water gauge pressure and shall not exceed 9 inches water gauge when equipment is in operation	
CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 0.5 inches water gauge pressure (± 125 pascals); or ± 0.5% of span.	

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CAM Summary

Unit/Group/Process Information	
ID No.: 5MILLDCSTK	
Control Device ID No.: 5MILLDC	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: PM (Opacity)	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: once per day	
Averaging Period: n/a*	
Deviation Limit: Pressure drop shall be at least 1 inch water gauge pressure and shall not exceed 9 inches water gauge when equipment is in operation.	
CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 0.5 inches water gauge pressure (± 125 pascals); or ± 0.5% of span.	

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CAM Summary

Unit/Group/Process Information	
ID No.: 5MILLDCSTK	
Control Device ID No.: 5MILLDC	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1151-1
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: once per day	
Averaging Period: n/a*	
Deviation Limit: Pressure drop shall be at least 1 inch water gauge pressure and shall not exceed 9 inches water gauge when equipment is in operation	
CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 0.5 inches water gauge pressure (± 125 pascals); or ± 0.5% of span.	

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CAM Summary

Unit/Group/Process Information	
ID No.: AREAADCVNT	
Control Device ID No.: AREAADC	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: PM (Opacity)	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: once per day	
Averaging Period: n/a*	
Deviation Limit: Pressure drop shall be at least 1 inch water gauge pressure and shall not exceed 9 inches water gauge when equipment is in operation.	
CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 0.5 inches water gauge pressure (± 125 pascals); or ± 0.5% of span.	

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CAM Summary

Unit/Group/Process Information	
ID No.: AREAADCVNT	
Control Device ID No.: AREAADC	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1151-1
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: once per day	
Averaging Period: n/a*	
Deviation Limit: Pressure drop shall be at least 1 inch water gauge pressure and shall not exceed 9 inches water gauge when equipment is in operation	
CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 0.5 inches water gauge pressure (± 125 pascals); or ± 0.5% of span.	

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CAM Summary

Unit/Group/Process Information	
ID No.: AREABDCVNT	
Control Device ID No.: AREABDC	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: PM (Opacity)	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: once per day	
Averaging Period: n/a*	
Deviation Limit: Pressure drop shall be at least 1 inch water gauge pressure and shall not exceed 9 inches water gauge when equipment is in operation.	
CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 0.5 inches water gauge pressure (± 125 pascals); or ± 0.5% of span.	

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CAM Summary

Unit/Group/Process Information	
ID No.: AREABDCVNT	
Control Device ID No.: AREABDC	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1151-1
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: once per day	
Averaging Period: n/a*	
Deviation Limit: Pressure drop shall be at least 1 inch water gauge pressure and shall not exceed 9 inches water gauge when equipment is in operation	
CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 0.5 inches water gauge pressure (± 125 pascals); or ± 0.5% of span.	

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CAM Summary

Unit/Group/Process Information	
ID No.: HVRPKRDCSK	
Control Device ID No.: HAVERPKRDC	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: PM (Opacity)	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: once per day	
Averaging Period: n/a*	
Deviation Limit: Pressure drop shall be at least 1 inch water gauge pressure and shall not exceed 9 inches water gauge when equipment is in operation.	
CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 0.5 inches water gauge pressure (± 125 pascals); or ± 0.5% of span.	

*The permit holder may elect to collect monitoring data on a more frequent basis and calculate the average as specified by the minimum frequency, for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances to avoid reporting deviations.

CAM Summary

Unit/Group/Process Information	
ID No.: HVRPKRDCSK	
Control Device ID No.: HAVERPKRDC	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1151-1
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: once per day	
Averaging Period: n/a*	
Deviation Limit: Pressure drop shall be at least 1 inch water gauge pressure and shall not exceed 9 inches water gauge when equipment is in operation	
CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 0.5 inches water gauge pressure (± 125 pascals); or ± 0.5% of span.	

*The permit holder may elect to collect monitoring data on a more frequent basis and calculate the average as specified by the minimum frequency, for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances to avoid reporting deviations.

CAM Summary

Unit/Group/Process Information	
ID No.: RWKSTADCSK	
Control Device ID No.: REWRKSTADC	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: PM (Opacity)	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: once per day	
Averaging Period: n/a*	
Deviation Limit: Pressure drop shall be at least 1 inch water gauge pressure and shall not exceed 9 inches water gauge when equipment is in operation.	
CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 0.5 inches water gauge pressure (± 125 pascals); or ± 0.5% of span.	

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CAM Summary

Unit/Group/Process Information	
ID No.: RWKSTADCSK	
Control Device ID No.: REWRKSTADC	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Nonagricultural Processes	SOP Index No.: R1151-1
Pollutant: PM	Main Standard: § 111.151(a)
Monitoring Information	
Indicator: Pressure Drop	
Minimum Frequency: once per day	
Averaging Period: n/a*	
Deviation Limit: Pressure drop shall be at least 1 inch water gauge pressure and shall not exceed 9 inches water gauge when equipment is in operation	
CAM Text: Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 0.5 inches water gauge pressure (± 125 pascals); or ± 0.5% of span.	

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Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 10BKBNDCSK	
Control Device ID No.: 10BULKBNDC	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: PM (Opacity)	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: once per week	
Averaging Period: n/a	
Deviation Limit: Opacity shall not exceed 30%	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 11BKBNDCSK	
Control Device ID No.: 11BULKBNDC	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: PM (Opacity)	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: once per week	
Averaging Period: n/a	
Deviation Limit: Opacity shall not exceed 30%	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 12BKBNDCSK	
Control Device ID No.: 12BULKBNDC	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: PM (Opacity)	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: once per week	
Averaging Period: n/a	
Deviation Limit: Opacity shall not exceed 30%	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 1BKBNDCSK	
Control Device ID No.: 1BULKBNDC	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: PM (Opacity)	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: once per week	
Averaging Period: n/a	
Deviation Limit: Opacity shall not exceed 30%	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 2BKBNDCSK	
Control Device ID No.: 2BULKBNDC	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: PM (Opacity)	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: once per week	
Averaging Period: n/a	
Deviation Limit: Opacity shall not exceed 30%	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 3BKBNDCSK	
Control Device ID No.: 3BULKBNDC	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: PM (Opacity)	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: once per week	
Averaging Period: n/a	
Deviation Limit: Opacity shall not exceed 30%	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 4BKBNDCSK	
Control Device ID No.: 4BULKBNDC	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: PM (Opacity)	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: once per week	
Averaging Period: n/a	
Deviation Limit: Opacity shall not exceed 30%	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 5BKBNDCSK	
Control Device ID No.: 5BULKBNDC	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: PM (Opacity)	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: once per week	
Averaging Period: n/a	
Deviation Limit: Opacity shall not exceed 30%	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 6BKBNDCSK	
Control Device ID No.: 6BULKBNDC	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: PM (Opacity)	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: once per week	
Averaging Period: n/a	
Deviation Limit: Opacity shall not exceed 30%	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 7BKBNDCSK	
Control Device ID No.: 7BULKBNDC	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: PM (Opacity)	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: once per week	
Averaging Period: n/a	
Deviation Limit: Opacity shall not exceed 30%	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 8BKBNDCSK	
Control Device ID No.: 8BULKBNDC	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: PM (Opacity)	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: once per week	
Averaging Period: n/a	
Deviation Limit: Opacity shall not exceed 30%	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 9BKBNDCSK	
Control Device ID No.: 9BULKBNDC	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: PM (Opacity)	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: once per week	
Averaging Period: n/a	
Deviation Limit: Opacity shall not exceed 30%	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GROUP 5	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Y	SOP Index No.: 60Y-1
Pollutant: PM (Opacity)	Main Standard: § 60.254(b)(2)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Once per month	
Averaging Period: Six-minutes	
Deviation Limit: It is a deviation if opacity reading is greater than 10 %.	
Periodic Monitoring Text: Opacity shall be monitored, by a certified observer, for at least one, six-minute period in accordance with Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9. Any opacity readings above the deviation limit shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: KN2ASBDCSK	
Control Device ID No.: KLN2ASBNDC	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: PM (Opacity)	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: once per week	
Averaging Period: n/a	
Deviation Limit: Opacity shall not exceed 30%	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: KN2BSBDCSK	
Control Device ID No.: KLN2BSBNDC	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: PM (Opacity)	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: once per week	
Averaging Period: n/a	
Deviation Limit: Opacity shall not exceed 30%	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: KN3ASBDCSK	
Control Device ID No.: KLN3ASBNDC	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: PM (Opacity)	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: once per week	
Averaging Period: n/a	
Deviation Limit: Opacity shall not exceed 30%	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: KN3BSBDCSK	
Control Device ID No.: KLN3BSBNDC	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: PM (Opacity)	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: once per week	
Averaging Period: n/a	
Deviation Limit: Opacity shall not exceed 30%	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: KN4ASBDCSK	
Control Device ID No.: KLN4ASBNDC	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: PM (Opacity)	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: once per week	
Averaging Period: n/a	
Deviation Limit: Opacity shall not exceed 30%	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: KN4BSBDCSK	
Control Device ID No.: KLN4BSBNDC	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: PM (Opacity)	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: once per week	
Averaging Period: n/a	
Deviation Limit: Opacity shall not exceed 30%	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: LIGCNV2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Y	SOP Index No.: 60Y-2
Pollutant: PM (Opacity)	Main Standard: § 60.254(a)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Once per month	
Averaging Period: Six-minutes	
Deviation Limit: It is a deviation if opacity reading is greater than 5 %.	
Periodic Monitoring Text: Opacity shall be monitored, by a certified observer, for at least one, six-minute period in accordance with Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9. Any opacity readings above the deviation limit shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: MAINSTACK	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: PM (Opacity)	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Once per month	
Averaging Period: Six-minutes	
Deviation Limit: Opacity shall not exceed 15%	
Periodic Monitoring Text: Opacity shall be monitored, by a certified observer, for at least one, six-minute period in accordance with Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9. Any opacity readings above the deviation limit shall be reported as a deviation.	

Permit Shield

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
BLR 10	N/A	40 CFR Part 60, Subpart D	Boiler is not a fossil-fuel fired steam generator unit. It only utilizes waste heat.
BLR 10	N/A	40 CFR Part 60, Subpart Db	Boiler is not a steam generating unit. It only utilizes waste heat.
BLR 10	N/A	40 CFR Part 60, Subpart Dc	Boiler is not a fossil-fuel fired steam generator unit. It only utilizes waste heat.
BLR 10	N/A	40 CFR Part 63, Subpart DDDDD	Source meets the definition of a waste heat boiler which is excluded from the definition of boiler per 40 CFR § 63.7575.
BLR 11	N/A	40 CFR Part 60, Subpart D	Boiler is not a fossil-fuel fired steam generator unit. It only utilizes waste heat.
BLR 11	N/A	40 CFR Part 60, Subpart Db	Boiler is not a steam generating unit. It only utilizes waste heat.
BLR 11	N/A	40 CFR Part 60, Subpart Dc	Boiler is not a fossil-fuel fired steam generator unit. It only utilizes waste heat.
BLR 11	N/A	40 CFR Part 63, Subpart DDDDD	Source meets the definition of a waste heat boiler which is excluded from the definition of boiler per 40 CFR § 63.7575.
BLR 5	N/A	40 CFR Part 60, Subpart D	Boiler was constructed before August 17, 1971 and has not undergone modification.
BLR 5	N/A	40 CFR Part 60, Subpart Db	Boiler was constructed before June 19, 1984 and has not undergone modification or reconstruction.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
BLR 5	N/A	40 CFR Part 60, Subpart Dc	Boiler was constructed before June 9, 1989 and has not undergone modification or reconstruction.
BLR 5	N/A	40 CFR Part 63, Subpart DDDDD	Source meets the definition of a waste heat boiler which is excluded from the definition of boiler per 40 CFR § 63.7575.
BLR 6	N/A	40 CFR Part 60, Subpart D	Boiler was constructed before August 17, 1971 and has not undergone modification.
BLR 6	N/A	40 CFR Part 60, Subpart Db	Boiler was constructed before June 19, 1984 and has not undergone modification or reconstruction.
BLR 6	N/A	40 CFR Part 60, Subpart Dc	Boiler was constructed before June 9, 1989 and has not undergone modification or reconstruction.
BLR 6	N/A	40 CFR Part 63, Subpart DDDDD	Source meets the definition of a waste heat boiler which is excluded from the definition of boiler per 40 CFR § 63.7575.
BLR 7	N/A	40 CFR Part 60, Subpart D	Boiler was constructed before August 17, 1971 and has not undergone modification.
BLR 7	N/A	40 CFR Part 60, Subpart Db	Boiler was constructed before June 19, 1984 and has not undergone modification or reconstruction.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
BLR 7	N/A	40 CFR Part 60, Subpart Dc	Boiler was constructed before June 9, 1989 and has not undergone modification or reconstruction.
BLR 7	N/A	40 CFR Part 63, Subpart DDDDD	Source meets the definition of a waste heat boiler which is excluded from the definition of boiler per 40 CFR § 63.7575.
BLR 8	N/A	40 CFR Part 60, Subpart D	Boiler's heat input is less than 250 MMBtu/hr.
BLR 8	N/A	40 CFR Part 60, Subpart Db	Boiler was constructed before June 19, 1984 and has not undergone modification or reconstruction.
BLR 8	N/A	40 CFR Part 60, Subpart Dc	Boiler was constructed before June 9, 1989 and has not undergone modification or reconstruction.
BLR 8	N/A	40 CFR Part 63, Subpart DDDDD	Source meets the definition of a waste heat boiler which is excluded from the definition of boiler per 40 CFR § 63.7575.
BLR 9	N/A	40 CFR Part 60, Subpart D	Boiler is not a fossil-fuel fired steam generator unit. It only utilizes waste heat.
BLR 9	N/A	40 CFR Part 60, Subpart Db	Boiler is not a steam generating unit. It only utilizes waste heat.
BLR 9	N/A	40 CFR Part 60, Subpart Dc	Boiler is not a fossil-fuel fired steam generator unit. It only utilizes waste heat.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
BLR 9	N/A	40 CFR Part 63, Subpart DDDDD	Source meets the definition of a waste heat boiler which is excluded from the definition of boiler per 40 CFR § 63.7575.
EMERGEN	N/A	40 CFR Part 60, Subpart IIII	Engine is a stationary compression ignition internal combustion engine that commenced construction before July 11, 2005 and has not been modified or reconstructed after July 11, 2005.
ITGEN	N/A	30 TAC Chapter 117, East Texas Combustion	Engine has a maximum rated horsepower (hp) capacity of less than 240 hp.
ITGEN	N/A	40 CFR Part 60, Subpart JJJJ	Engine is a stationary spark ignition internal combustion emergency engine that commenced construction after June 12, 2006, and manufactured before January 1, 2009.
K2AUX	N/A	40 CFR Part 60, Subpart IIII	Engine is a stationary compression ignition internal combustion engine that commenced construction before July 11, 2005 and has not been modified or reconstructed after July 11, 2005.
K3AUX	N/A	40 CFR Part 60, Subpart IIII	Engine is a stationary compression ignition internal combustion engine that commenced construction before July 11, 2005 and has not been modified or reconstructed after July 11, 2005.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
K4AUX	N/A	40 CFR Part 60, Subpart IIII	Engine is a stationary compression ignition internal combustion engine that commenced construction before July 11, 2005 and has not been modified or reconstructed after July 11, 2005.
K5AUX	N/A	40 CFR Part 60, Subpart IIII	Engine is a stationary compression ignition internal combustion engine that commenced construction before July 11, 2005 and has not been modified or reconstructed after July 11, 2005.
MLTHRTHFUR1	N/A	40 CFR Part 60, Subpart D	This unit is not a fossil-fuel fired steam generating unit.
MLTHRTHFUR1	N/A	40 CFR Part 60, Subpart Db	This unit is not a steam generating unit.
MLTHRTHFUR1	N/A	40 CFR Part 60, Subpart Dc	This unit is a process heater.
MLTHRTHFUR2	N/A	40 CFR Part 60, Subpart D	This unit is not a fossil-fuel fired steam generating unit.
MLTHRTHFUR2	N/A	40 CFR Part 60, Subpart Db	This unit is not a steam generating unit.
MLTHRTHFUR2	N/A	40 CFR Part 60, Subpart Dc	This unit is a process heater.
MLTHRTHFUR3	N/A	40 CFR Part 60, Subpart D	This unit is not a fossil-fuel fired steam generating unit.
MLTHRTHFUR3	N/A	40 CFR Part 60, Subpart Db	This unit is not a steam generating unit.
MLTHRTHFUR3	N/A	40 CFR Part 60, Subpart Dc	This unit is a process heater.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
PHBACKUP	N/A	30 TAC Chapter 117, East Texas Combustion	Engine has a maximum rated horsepower (hp) capacity of less than 240 hp.
PHBACKUP	N/A	40 CFR Part 60, Subpart JJJJ	Engine is a stationary spark ignition internal combustion emergency engine that commenced construction after June 12, 2006, and manufactured before January 1, 2009.

New Source Review Authorization References

New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Prevention of Significant Deterioration (PSD) Permits	
PSD Permit No.: PSDTX1183	Issuance Date: 07/21/2015
Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 102514	Issuance Date: 06/15/2012
Authorization No.: 2265A	Issuance Date: 08/18/2015
Authorization No.: 3068A	Issuance Date: 09/16/2015
Authorization No.: 56552	Issuance Date: 07/21/2015
Authorization No.: 5725A	Issuance Date: 07/11/2016
Authorization No.: 78421	Issuance Date: 07/21/2015
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.122	Version No./Date: 09/04/2000
Number: 106.227	Version No./Date: 09/04/2000
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.265	Version No./Date: 09/04/2000
Number: 106.412	Version No./Date: 09/04/2000
Number: 106.454	Version No./Date: 11/01/2001
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.473	Version No./Date: 09/04/2000
Number: 106.474	Version No./Date: 09/04/2000
Number: 106.476	Version No./Date: 09/04/2000
Number: 106.478	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000
Number: 106.512	Version No./Date: 06/13/2001
Number: 106.532	Version No./Date: 06/13/2001

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
10BKBNDCSK	No. 10 Bulk Bin Dust Collector Stack	3068A
11BKBNDCSK	No. 11 Bulk Bin Dust Collector Stack	3068A
12BKBNDCSK	No. 12 Bulk Bin Dust Collector Stack	3068A
1BKBNDCSK	No. 1 Bulk Bin Dust Collector Stack	56552
2BKBNDCSK	No. 2 Bulk Bin Dust Collector Stack	56552
3BKBNDCSK	No. 3 Bulk Bin Dust Collector Stack	3068A
4BKBNDCSK	No. 4 Bulk Bin Dust Collector Stack	3068A
4DRYDCSTK	4 Dryer DC Stack	3068A
4MILLDCSTK	4 Mill	3068A
4SCRNDCSK	4 Screens and Packer	3068A
5BKBNDCSK	No. 5 Bulk Bin Dust Collector Stack	3068A
5DS	Emergency Diesel Pump	106.511/09/04/2000
5MILLDCSTK	5 Mill	3068A
6BKBNDCSK	No. 6 Bulk Bin Dust Collector Stack	3068A
7BKBNDCSK	No. 7 Bulk Bin Dust Collector Stack	3068A
8BKBNDCSK	No. 8 Bulk Bin Dust Collector Stack	3068A
9BKBNDCSK	No. 9 Bulk Bin Dust Collector Stack	3068A
AREAADCVNT	Lignite Furnace Product (LFP) Conv. Kiln 2, 3, 4	56552
AREABDCVNT	Stoners/Screeners And Conveyors	3068A

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
BLR 10	Multi Hearth Furnace #2 Boiler	78421, PSDTX1183
BLR 11	Multi Hearth Furnace #3 Boiler	78421, PSDTX1183
BLR 5	Boiler 5	56552
BLR 6	Boiler 6	56552
BLR 7	Boiler 7	56552
BLR 8	Boiler 8	5725A
BLR 9	Multi Hearth Furnace #1 Boiler	2265A
EMERGEN	Lift Station Emergency Generator	106.511/09/04/2000
FGTVTRNSFR	Lignite Transfer Fugitives to Kilns 2, 3, & 4	78421, PSDTX1183
HVRPKRDCSK	Haver Product Packer	3068A
ITGEN	Computer Server Room Emergency Generator	106.511/09/04/2000
K2AUX	Kiln-2 Emergency Diesel Engine	106.511/09/04/2000
K3AUX	Kiln-3 Emergency Diesel Engine	106.511/09/04/2000
K4AUX	Kiln-4 Emergency Diesel Engine	106.511/09/04/2000
K5AUX	Kiln-5 Emergency Diesel Engine	106.511/09/04/2000
KLN5TRNSFR	Kiln 5 Transfer Conveyors Fugitives	78421, PSDTX1183
KN2ASBDCSK	Kiln 2A Surge Bin	3068A
KN2BSBDCSK	Kiln 2B Surge Bin	3068A
KN3ASBDCSK	Kiln 3A Surge Bin	3068A

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
KN3BSBDCSK	Kiln 3B Surge Bin	3068A
KN4ASBDCSK	Kiln 4A Surge Bin	3068A
KN4BSBDCSK	Kiln 4B Surge Bin	3068A
LGPTTOLSB	Transfer Lignite-To-Lignite Surge Bin Fugitives	78421, PSDTX1183
LGTUNLPIT	Lignite Unloading Pit Fugitives	78421, PSDTX1183
LIGCNV2	Lignite Conveyor #2	78421, PSDTX1183
LIGSIL4VFD	Lignite Silo #4 (MHF #2 Lignite Silo) Vibrating Feeder	78421, PSDTX1183
LS1DCVT	Lignite Silos #1 DC Vent	78421, PSDTX1183
LS2DCVT	Lignite Silos #2 DC Vent	78421, PSDTX1183
M2FDBNDCVT	Mhf #2 Feed Bin DC Vent	78421, PSDTX1183
M3FDBNDCVT	Mhf #3 Feed Bin DC Vent	78421, PSDTX1183
MAINSTACK	Main Stack For Kilns 2, 3, 4 and WH Boiler 5, 6, 7	56552
MASEPUMP	Main Acid Sump Emergency Pump	106.511/09/04/2000
MHFLS2DCVT	MHF #2 Lignite Silo DC Vent (Lig Silo #4)	78421, PSDTX1183
MHFLSDCVT	MHF #1 Lignite Silo DC Vent (Lig Silo #3)	78421, PSDTX1183
MHFXFRDCVT	MHF #1 Lignite Transfer Pt Dust Vent	78421, PSDTX1183
MLTHRTHFUR1	Multi Hearth Furnace #1	2265A
MLTHRTHFUR2	Multi Hearth Furnace #2	78421, PSDTX1183
MLTHRTHFUR3	Multi Hearth Furnace #3	78421, PSDTX1183

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
PHBACKUP	Power House Emergency Generator	106.511/09/04/2000
RWKSTADCSK	Area C Rework Station	3068A
STAMLER	Stamler Mill (Lignite Crusher #1) Fugitives	78421, PSDTX1183
WILLMILL	Williams Mill and Penn Crusher Fugitives	78421, PSDTX1183

Schedules

Compliance Schedule

A. Compliance Schedule				
1. Specific Non-Compliance Situation				
Unit/Group/ Process ID. No(s).	**SOP Index No.**	**Pollutant**	**Applicable Requirement**	
			Citation	**Text Description**
MltHrthFur2	N/A	CO	PSDTX1183	Special condition 8.D.3 for minimum combustion limit in NSR permit no. 78421/PSDTX1183

2. Compliance Status Assessment Method and Records Location		
Compliance Status Assessment Method		**Location of Records/Documentation**
Citation	**Text Description**	
PSDTX1183	The combustion chamber outlet temperature must be maintained at no less than 1,400 degrees Fahrenheit.	Hourly combustion chamber outlet temperature records at Marshall Plant.

3. Non-compliance Situation Description
The combustion chamber outlet temperature does not meet the minimum limit of 1,400 degrees F during startup and periods of lignite upset as required by Special Condition 8.D.3 of NSR Permit No. 78421/PSDTX1183.

4. Corrective Action Plan Description
Cabot is working with the vendor to design an afterburner for Multi Hearth Furnace #2 that will achieve a combustion chamber outlet temperature at no less than 1400 degrees F.

5. List of Activities/Milestones to Implement the Corrective Action Plan	
1	A permit amendment application and subsequent application updates were submitted and are under review by TCEQ. Cabot is in the process of procuring the equipment for the project.
2	Cabot will install and operate the afterburner according to manufacturer specifications after TCEQ approves the permit authorization and the equipment is delivered on-site.

6. Previously Submitted Compliance Plan(s)	Type of Action	Date Submitted
	N/A	

7. Progress Report Submission Schedule	After permit O3335 is renewed, Cabot will submit semi-annual updates until compliance is achieved.

Compliance Schedule

A. Compliance Schedule				
1. Specific Non-Compliance Situation				
Unit/Group/ Process ID. No(s).	**SOP Index No.**	**Pollutant**	**Applicable Requirement**	
			Citation	**Text Description**
MltHrthFur2	N/A	VOC	PSDTX1183	Special condition 8.D.3. For minimum combustion limit in NSR permit no. 78721/PSDTX1183.

2. Compliance Status Assessment Method and Records Location		
Compliance Status Assessment Method		**Location of Records/Documentation**
Citation	**Text Description**	
PSDTX1183	The combustion temperature outlet temperature must be maintained at no less than 1,400 degrees Fahrenheit.	Hourly combustion chamber outlet temperature records at Marshall Plant.

3. Non-compliance Situation Description
The combustion chamber outlet temperature does not meet the minimum limit of 1,400 degrees F during startup and periods of lignite upset as required by Special Condition 8.D.3. of NSR Permit No. 78421/PSDTX1183.

4. Corrective Action Plan Description
Cabot is working with the vendor to design an afterburner for Multi Hearth Furnace #2 that will achieve a combustion chamber outlet temperature at no less than 1400 degrees F.

5. List of Activities/Milestones to Implement the Corrective Action Plan	
1	A permit amendment application and subsequent application updates were submitted and are under review by TCEQ. Cabot is in the process of procuring the equipment for the project.
2	Cabot will install and operate the afterburner according to manufacturer specifications after TCEQ approves the permit authorization and the equipment is delivered on-site.

6. Previously Submitted Compliance Plan(s)	Type of Action	Date Submitted
	N/A	

7. Progress Report Submission Schedule	After permit O3335 is renewed, Cabot will submit semi-annual updates until compliance is achieved.

Compliance Schedule

A. Compliance Schedule				
1. Specific Non-Compliance Situation				
Unit/Group/ Process ID. No(s).	**SOP Index No.**	**Pollutant**	**Applicable Requirement**	
			Citation	**Text Description**
MltHrthFur3	N/A	NO_x	PSDTX1183	Special condition 8.D.2. For NOx concentration limit in NSR permit no. 78421/PSDTX1183

2. Compliance Status Assessment Method and Records Location		
Compliance Status Assessment Method		**Location of Records/Documentation**
Citation	**Text Description**	
PSDTX1183	The MHF3 afterburner shall not exceed a maximum concentration of 50 parts per million by volume dry, ppmvd	Stack test records at the Marshall Plant

3. Non-compliance Situation Description
As disclosed in the Texas Audit Act Disclosure of Violations (DOV) dated December 16, 2016 for the audit initiated on June 2, 2016, the MHF3 afterburner exceeded the 50 ppmvd NO_x concentration limit during the February and March 2012 stack tests. The testing demonstrated compliance with the permit's NO_x mass emission limit for MHF3 but not the NO_x concentration limit.

4. Corrective Action Plan Description
Change NOx concentration limits in Permit No. 78421/PSDTX1183 to more appropriately reflect the NOx concentration emitted by the MHF3 afterburner in proper operating conditions.

5. List of Activities/Milestones to Implement the Corrective Action Plan	
1	Submit permit application requesting change to NOx concentration limit. (Completed July 5, 2016)
2	Respond timely to any deficiency notice or follow-up information request received from the TCEQ Air Permits Division.
3	Issuance of Permit No. 78421/PSDTX1183 with changed NOx concentration limit for MHF3.

6. Previously Submitted Compliance Plan(s)	**Type of Action**	**Date Submitted**
	N/A	

7. Progress Report Submission Schedule	Quarterly updates on progress toward corrective actions will be provided to TCEQ.

Compliance Schedule

A. Compliance Schedule

1. Specific Non-Compliance Situation

Unit/Group/ Process ID. No(s).	SOP Index No.	Pollutant	Applicable Requirement	
			Citation	Text Description
Group 5-LS1DCVT and LS2DCVT	N/A	PM	PSDTX1183	Special condition 5.C.2 for filterable PM of mechanically vented sources in NSR permit no. 78421/PSDTX1183.

2. Compliance Status Assessment Method and Records Location

Compliance Status Assessment Method		Location of Records/Documentation
Citation	Text Description	
PSDTX1183	Filterable PM for mechanically vented sources shall not exceed 0.005 gr/dscf.	Dust collector records at the Marshall Plant

3. Non-compliance Situation Description

As disclosed in the Texas Audit Act Disclosure of Violations (DOV) dated December 16, 2016 for the audit initiated on June 2, 2016, Cabot has demonstrated compliance with the Method 9 Performance Testing in NSPS Subpart Y however the Initial Performance Testing to demonstrate compliance with the 0.005 gr/dscf is not available for Group 5 sources.

4. Corrective Action Plan Description

Change Permit No. 78421/PSDTX1183 to classify Group 5 sources (LS1DCVT and LS2DCVT) as a non-mechanical vent as airflow is passive through these vents. If LS1DCVT and LS2DCVT are properly classified as non-mechanical vents, they will not be subject to the requirement to conduct stack testing to demonstrate compliance with the 0.005 gr/dscf limit.

5. List of Activities/Milestones to Implement the Corrective Action Plan

1	Submit permit alteration application to change classification of LS1DCVT and LS2DCVT to non-mechanical vents in Permit No. 78421/PSDTX1183. (Completed as part of renewal application submitted on January 23, 2017)
2	Forward dust collector design and filter media specifications to TCEQ to demonstrate compliance with the grain loading standard.
3	Respond timely to any deficiency notice or follow-up information request received from the TCEQ Air Permits Division.
4	Issuance of Permit No. 78421/PSDTX1183 with LS1DCVT and LS2DCVT classified as non-mechanical vents.

6. Previously Submitted Compliance Plan(s)	Type of Action	Date Submitted
	N/A	

7. Progress Report Submission Schedule	Quarterly updates on progress toward corrective actions will be provided to TCEQ.

Compliance Schedule

A. Compliance Schedule

1. Specific Non-Compliance Situation

Unit/Group/ Process ID. No(s).	SOP Index No.	Pollutant	Applicable Requirement	
			Citation	Text Description
LGNTUNLPIT, STAMLER, LGPTTOLSB, M2ASHLOAD, LS1DCSK to LS6DCSTK, and KLN5TRNSFER	N/A	PM, PM_{10}, $PM_{2.5}$	PSDTX1183	Special condition 6.D. for daily LGNTUNLPIT, STAMLER, LGPTTOLSB, M2ASHLOAD, LS1DSCK to LS6DCSTK, and KLN5TRNSFER throughput and operating hours recordkeeping to demonstrate compliance with the hourly and annual limits in SC 6A and 6B in the MAERT.

2. Compliance Status Assessment Method and Records Location

Compliance Status Assessment Method		Location of Records/Documentation
Citation	Text Description	
PSDTX1183	The LGNTUNLPIT, STAMLER, LGPTTOLSB, M2ASHLOAD, LS1DCSK to LS6DCSTK, and KLN5TRNSFER daily throughput and operating hours shall be updated weekly to demonstrate compliance with daily throughput and annual operating hour restrictions.	Haul truck weight records and batch records at the Marshall Plant

3. Non-compliance Situation Description

As disclosed in the Texas Audit Act Disclosure of Violations (DOV) dated December 16, 2016 for the audit initiated on June 2, 2016, daily throughput readings and operating hours are not being tracked weekly as material flow is intermittent and based on raw material weights from haul trucks tracked monthly.

4. Corrective Action Plan Description

Cabot has requested LGNTUNLPIT, STAMLER, LGPTTOLSB, M2ASHLOAD, LS1DCSK to LS6DCSTK, and KLN5TRNSFER throughput be tracked monthly and operating hours annually in the 78421/PSDTX1183 renewal application.

5. List of Activities/Milestones to Implement the Corrective Action Plan

1	Submit permit alteration application requesting changes to tracking requirements for throughput and operating hours for LGNTUNLPIT, STAMLER, LGPTTOLSB, M2ASHLOAD, LS1DSCK to LS6DCSTK, and KLN5TRNSFER in Permit No. 78421/PSDTX1183 to require monthly tracking of throughput and annual tracking of operating hours. (Completed as part of renewal application submitted January 23, 2017)
2	Respond timely to any deficiency notice or follow-up information request received from TCEQ Air Permits Division.

3	Issuance of Permit No. 78421/PSDTX1183 with changes to throughput and operating hours tracking requirements for LGNTUNLPIT, STAMLER, LGPTTOLSB, M2ASHLOAD, LS1DSCK to LS6DCSTK, and KLN5TRNSFER.		
6. Previously Submitted Compliance Plan(s)		**Type of Action**	**Date Submitted**
		N/A	
7. Progress Report Submission Schedule		Quarterly updates on progress toward corrective actions will be provided to TCEQ.	

Compliance Schedule

A. Compliance Schedule

1. Specific Non-Compliance Situation

Unit/Group/ Process ID. No(s).	SOP Index No.	Pollutant	Applicable Requirement	
			Citation	Text Description
K2FUGITIVE, K3FUGITIVE, and K4FUGITIVE	N/A	PM_{10}, $PM_{2.5}$	56552	Hourly and annual Kiln 2, 3, and 4 fugitives PM_{10} limit in NSR 56552 MAERT.

2. Compliance Status Assessment Method and Records Location

Compliance Status Assessment Method		Location of Records/Documentation
Citation	Text Description	
56552	The hourly and annual Kiln 2, 3, and 4 fugitive PM_{10} and $PM_{2.5}$ limits are < 0.01 pounds per hour and < 0.01 tons per year, respectively.	Kiln 2, 3, and 4 emission basis documentation

3. Non-compliance Situation Description

As disclosed in the Texas Audit Act Disclosure of Violations (DOV) dated December 16, 2016 for the audit initiated on June 2, 2016, the current PM_{10} and $PM_{2.5}$ hourly and annual emission rates are based on a conversion error in the August 26, 2003 application and under represents PM_{10} and $PM_{2.5}$ emissions.

4. Corrective Action Plan Description

Cabot will be submitting a permit amendment to correctly represent the Kiln 2, 3, and 4 hourly and annual fugitive PM_{10} limits in Permit No. 56552. The permit's current emissions rates were established as a result of a calculation conversion error in an August 26, 2003 permit application. The calculation error made in that permit application was used as the basis for the current MAERT limits and understates the allowable fugitive PM_{10} and $PM_{2.5}$ emission rates for Kilns 2, 3, and 4.

5. List of Activities/Milestones to Implement the Corrective Action Plan

1	Prepare and submit an amendment application to TCEQ seeking correction to allowable fugitive PM_{10} and $PM_{2.5}$ emission rates for Kilns 2, 3, and 4. (To be completed by June 16, 2017)
2	Respond timely to any deficiency notice or follow-up information request received from the TCEQ Air Permits Division.
3	Issuance of Permit No. 56552 with corrected allowable fugitive PM_{10} and $PM_{2.5}$ emission rates for Kilns 2, 3, and 4.

6. Previously Submitted Compliance Plan(s)	Type of Action	Date Submitted
	N/A	

7. Progress Report Submission Schedule	Quarterly updates on progress toward corrective actions will be provided to TCEQ.

Appendix A

Acronym List

The following abbreviations or acronyms may be used in this permit:

ACFM ..... actual cubic feet per minute
AMOC ..... alternate means of control
ARP ..... Acid Rain Program
ASTM ..... American Society of Testing and Materials
B/PA ..... Beaumont/Port Arthur (nonattainment area)
CAM ..... Compliance Assurance Monitoring
CD ..... control device
CEMS ..... continuous emissions monitoring system
CFR ..... Code of Federal Regulations
COMS ..... continuous opacity monitoring system
CVS ..... closed vent system
D/FW ..... Dallas/Fort Worth (nonattainment area)
EP ..... emission point
EPA ..... U.S. Environmental Protection Agency
EU ..... emission unit
FCAA Amendments ..... Federal Clean Air Act Amendments
FOP ..... federal operating permit
gr/100 scf ..... grains per 100 standard cubic feet
HAP ..... hazardous air pollutant
H/G/B ..... Houston/Galveston/Brazoria (nonattainment area)
H_2S ..... hydrogen sulfide
ID No. ..... identification number
lb/hr ..... pound(s) per hour
MACT ..... Maximum Achievable Control Technology (40 CFR Part 63)
MMBtu/hr ..... Million British thermal units per hour
NA ..... nonattainment
N/A ..... not applicable
NADB ..... National Allowance Data Base
NESHAP ..... National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
NO_x ..... nitrogen oxides
NSPS ..... New Source Performance Standard (40 CFR Part 60)
NSR ..... New Source Review
ORIS ..... Office of Regulatory Information Systems
Pb ..... lead
PBR ..... Permit By Rule
PEMS ..... predictive emissions monitoring system
PM ..... particulate matter
ppmv ..... parts per million by volume
PRO ..... process unit
PSD ..... prevention of significant deterioration
psia ..... pounds per square inch absolute
SIP ..... state implementation plan
SO_2 ..... sulfur dioxide
TCEQ ..... Texas Commission on Environmental Quality
TSP ..... total suspended particulate
TVP ..... true vapor pressure
U.S.C. ..... United States Code
VOC ..... volatile organic compound

Appendix B

Major NSR Summary Table

Permit Number: 78421/PSDTX1183			Issuance Date: 4/13/2012				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
LGNTUNLPIT	Lignite Unloading Pit Fugitives	PM	0.01	0.01	3, 4, 5, 10, 12	2, 3, 4, 6, 10, 11, 12	3,10, 11
		$PM_{10}/PM_{2.5}$	<0.01	<0.01			
STAMLER	Stamler Mill (Lignite Crusher #1) Fugitives	PM	0.02	0.03	3, 4, 5, 10, 12	2, 3, 4, 6, 10, 11, 12	3, 10, 11
		PM_{10}	0.01	0.02			
		$PM_{2.5}$	<0.01	<0.01			
LGPTTOLSB	Transfer Lignite-to-Lignite Surge Bin Fugitives	PM	0.03	0.04	3, 4, 5, 10, 12	2, 3, 4, 6, 10, 11, 12	3, 10, 11
		PM_{10}	0.01	0.01			
		$PM_{2.5}$	<0.01	<0.01			
KLN5TRNSFR	Kiln 5 Transfer Conveyors Fugitives	PM	0.03	0.04	3, 4, 5, 10, 12	2, 3, 4, 6, 10, 11, 12	3, 10, 11
		PM_{10}	0.01	0.01			
		$PM_{2.5}$	<0.01	<0.01			
WILLMILL	Williams Mill Fugitives	PM	0.02	0.03	3, 4, 5, 10, 12	2, 3, 4, 10, 11, 12	3, 10, 11
		PM_{10}	0.01	0.02			
		$PM_{2.5}$	<0.01	<0.01			
FGTVTRNSFR	Lignite Transfer to Kilns 2, 3, and 4 Fugitives	PM	0.03	0.04	3, 4, 5, 10, 12	2, 3, 4, 10, 11, 12	3, 10, 11
		PM_{10}	0.01	0.01			
		$PM_{2.5}$	<0.01	<0.01			
MHFXFRDCVT	MHF #1Lignite Transfer Pt Dust Vent	$PM/PM_{10}/PM_{2.5}$	0.05	0.23	3, 4, 5, 10, 12	2, 3, 4, 10, 11, 12	3, 10, 11
MHFLSDCVT	MHF #1 Lignite Silo DC Vent (Lignite Silo #3)	$PM/PM_{10}/PM_{2.5}$	0.05	0.23	3, 4, 5, 10, 12	2, 3, 4, 10, 11, 12	3, 10, 11
MHFLS2DCVT	MHF #2 Lignite Silo DC Vent (Lignite Silo #4)	$PM/PM_{10}/PM_{2.5}$	0.05	0.23	3, 4, 5, 10, 12	2, 3, 4, 10, 11, 12	3, 10, 11
M2FDBNDCVT	MHF #2 Feed Bin DC Vent	$PM/PM_{10}/PM_{2.5}$	0.02	0.09	3, 4, 5, 10, 12	2, 3, 4, 10, 11, 12	3, 10, 11
LIGSIL4VFD	Lignite Silo #4	PM	0.01	0.03	3, 4, 5, 10, 12	2, 3, 4, 10, 11, 12	3, 10, 11

Major NSR Summary Table

Permit Number: 78421/PSDTX1183			Issuance Date: 4/13/2012				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
	(MHF #2 Lignite Silo) Vibrating Feeder	PM_{10}	0.01	0.02			
		$PM_{2.5}$	<0.01	<0.01			
MHF2STACK	MHF #2 Stack - Normal Operations (5)	$PM/PM_{10}/PM_{2.5}$	2.64	11.54	4, 5, 8, 10, 12	2, 4, 5, 7, 8, 10, 11, 12	10, 11
		NO_x	9.10	39.86			
		SO_2	16.40	71.83			
		CO	6.60	28.91			
		VOC	2.30	6.55			
		Pb	<0.01	0.02			
		H_2SO_4	0.98	4.29			
		Hg	<0.01	0.01			
		HCl	0.31	1.35			
		HF	0.06	0.24			
MHF2VENT	MHF #2 Vent - MSS Operations (6)	$PM/PM_{10}/PM_{2.5}$	0.29	0.03	4, 5, 9, 10, 12	2, 4, 7, 9, 10, 11, 12	10, 11
		NO_x	1.21	0.12			
		SO_2	0.02	<0.01			
		CO	3.17	0.32			
		VOC	0.21	0.02			
13BKBNDCSK	#13 Bulk Bin DC Stack	PM/PM_{10}	0.13	0.56	4, 5, 10, 12	2, 4, 10, 11, 12	10, 11
		$PM_{2.5}$	0.01	0.06			
14BKBNDCSK	#14 Bulk Bin DC Stack	PM/PM_{10}	0.13	0.56	4, 5, 10, 12	2, 4, 10, 11, 12	10, 11
		$PM_{2.5}$	0.01	0.06			
15BKBNDCSK	#15 Bulk Bin DC Stack	PM/PM_{10}	0.13	0.56	4, 5, 10, 12	2, 4, 10, 11, 12	10, 11
		$PM_{2.5}$	0.01	0.06			
16BKBNDCSK	#16 Bulk Bin DC Stack	PM/PM_{10}	0.13	0.56	4, 5, 10, 12	2, 4, 10, 11, 12	10, 11
		$PM_{2.5}$	0.01	0.06			
6MILLDCSTK	#6 Mill DC Stack	PM/PM_{10}	0.21	0.94	4, 5, 10, 12	2, 4, 10, 11, 12	10, 11
		$PM_{2.5}$	0.01	0.09			

Major NSR Summary Table

Permit Number: 78421/PSDTX1183			Issuance Date: 4/13/2012				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
6MILLVAC	#6 Mill Vacuum Unit Vent	$PM/PM_{10}/PM_{2.5}$	0.02	0.09	N/A†		
6MILLFDBNA	#6 Mill Feed Bin A DC Stack	PM/PM_{10}	0.04	0.19	4, 5, 10, 12	2, 4, 10, 11, 12	10, 11
		$PM_{2.5}$	0.01	0.02			
6MILLFDBNB	#6 Mill Feed Bin B DC Stack	PM/PM_{10}	0.04	0.19	4, 5, 10, 12	2, 4, 10, 11, 12	10, 11
		$PM_{2.5}$	0.01	0.02			
M3XFERDCSK	MHF3 Conveyor and Tote Bag Loading DC Vent	$PM/PM_{10}/PM_{2.5}$	0.06	0.28	4, 5, 10, 12	2, 4, 10, 11, 12	10, 11
LOB1DCST	Load Out Bin #1 DC Stack	PM/PM_{10}	0.15	0.66	4, 5, 10, 12	2, 4, 10, 11, 12	10, 11
		$PM_{2.5}$	0.02	0.07			
LS1DCSTK	Loading Spout #1 DC Stack	PM/PM_{10}	0.06	0.09	4, 5, 10, 12	2, 4, 6, 10, 11, 12	10, 11
		$PM_{2.5}$	0.01	0.01			
LOB2DCST	Load Out Bin #2 DC Stack	PM/PM_{10}	0.15	0.66	4, 5, 10, 12	2, 4, 10, 11, 12	10, 11
		$PM_{2.5}$	0.02	0.07			
LS2DCSTK	Loading Spout #2 DC Stack	PM/PM_{10}	0.06	0.09	4, 5, 10, 12	2, 4, 6, 10, 11, 12	10, 11
		$PM_{2.5}$	0.01	0.01			
M3FDBNDCVT	MHF #3 Feed Bin DC Vent	$PM/PM_{10}/PM_{2.5}$	0.02	0.09	3, 4, 5, 10, 12	2, 3, 4, 10, 11, 12	3, 10, 11
MHF3STACK	MHF #3 Stack - Normal Operations (5)	$PM/PM_{10}/PM_{2.5}$	2.64	11.54	4, 5, 8, 10, 12	2, 4, 5, 7, 8, 10, 11, 12	10, 11
		NO_x	9.10	39.86			
		SO_2	16.40	71.83			
		CO	6.60	28.91			
		VOC	2.30	6.55			
		Pb	<0.01	0.02			
		H_2SO_4	0.98	4.29			
		Hg	<0.01	0.01			
		HCl	0.31	1.34			
		HF	0.06	0.24			

Major NSR Summary Table

Permit Number: 78421/PSDTX1183			Issuance Date: 4/13/2012				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
MHF3VENT	MHF #3 Vent - MSS Operations (6)	$PM/PM_{10}/PM_{2.5}$	0.29	0.03	4, 5, 9, 10, 12	2, 4, 7, 9, 10, 11, 12	10, 11
		NO_x	1.21	0.12			
		SO_2	0.02	<0.01			
		CO	3.17	0.32			
		VOC	0.21	0.02			
17BKBNDCSK	#17 Bulk Bin DC Stack	PM/PM_{10}	0.13	0.56	4, 5, 10, 12	2, 4, 10, 11, 12	10, 11
		$PM_{2.5}$	0.01	0.06			
18BKBNDCSK	#18 Bulk Bin DC Stack	PM/PM_{10}	0.13	0.56	4, 5, 10, 12	2, 4, 10, 11, 12	10, 11
		$PM_{2.5}$	0.01	0.06			
19BKBNDCSK	#19 Bulk Bin DC Stack	PM/PM_{10}	0.13	0.56	4, 5, 10, 12	2, 4, 10, 11, 12	10, 11
		$PM_{2.5}$	0.01	0.06			
20BKBNDCSK	#20 Bulk Bin DC Stack	PM/PM_{10}	0.13	0.56	N/A†		
		$PM_{2.5}$	0.01	0.06			
7MILLDCSTK	#7 Mill DC Stack	$PM/PM_{10}/PM_{2.5}$	0.21	0.94	4, 5, 10, 12	2, 4, 10, 11, 12	10, 11
7MILLFDBNA	#7 Mill Feed Bin A DC Stack	PM/PM_{10}	0.04	0.19	4, 5, 10, 12	2, 4, 10, 11, 12	10, 11
		$PM_{2.5}$	0.01	0.02			
7MILLFDBNB	#7 Mill Feed Bin B DC Stack	PM/PM_{10}	0.04	0.19	4, 5, 10, 12	2, 4, 10, 11, 12	10, 11
		$PM_{2.5}$	0.01	0.02			
LOB3DCST	Load Out Bin #3 DC Stack	PM/PM_{10}	0.15	0.66	4, 5, 10, 12	2, 4, 10, 11, 12	10, 11
		$PM_{2.5}$	0.02	0.07			
LS3DCSTK	Loading Spout #3 DC Stack	PM/PM_{10}	0.06	0.09	4, 5, 10, 12	2, 4, 6, 10, 11, 12	10, 11
		$PM_{2.5}$	0.01	0.01			
LOB4DCST	Load Out Bin #4 DC Stack	PM/PM_{10}	0.15	0.66	4, 5, 10, 12	2, 4, 10, 11, 12	10, 11
		$PM_{2.5}$	0.02	0.07			
LS4DCSTK	Loading Spout #4 DC Stack	PM/PM_{10}	0.06	0.09	4, 5, 10, 12	2, 4, 6, 10, 11, 12	10, 11
		$PM_{2.5}$	0.01	0.01			

Major NSR Summary Table

Permit Number: 78421/PSDTX1183			Issuance Date: 4/13/2012				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
M2ASHDCVT	MHF #2-3 Ash Silo Vacuum Blower DC	$PM/PM_{10}/PM_{2.5}$	0.13	0.56	4, 5, 10, 12	2, 4, 10, 11, 12	10, 11
M2ASHLOAD	MHF #2-3 Ash Silo Truck Loading DC	$PM/PM_{10}/PM_{2.5}$	0.06	0.09	4, 5, 10, 12	2, 4, 6, 10, 11, 12	10, 11
GENCOOL1	Generator Cooling Tower #1	$PM/PM_{10}/PM_{2.5}$	0.03	0.13	N/A†		
LIGPIT2	Lignite Unloading Pit #2	$PM/ PM_{10}/PM_{2.5}$	<0.01	<0.01	N/A†		
CRUSHER2	Lignite Crusher #2	PM	0.02	0.02	N/A†		
		PM_{10}	0.01	0.01			
		$PM_{2.5}$	<0.01	<0.01			
CRUSHER3	Lignite Crusher #3	PM	0.02	0.02	N/A†		
		PM_{10}	0.01	0.01			
		$PM_{2.5}$	<0.01	<0.01			
LIGCNV2	Lignite Conveyor #2	PM	0.02	0.02	N/A†		
		PM_{10}	0.01	0.01			
		$PM_{2.5}$	<0.01	<0.01			
LS5DCVT	Lignite Silos #5 and #6 DC Vent	$PM/PM_{10}/PM_{2.5}$	0.09	0.38	N/A†		
M4FDBNDCVT	MHF #4 Feed Bin DC Vent	$PM/PM_{10}/PM_{2.5}$	0.02	0.09	N/A†		

Major NSR Summary Table

Permit Number: 78421/PSDTX1183			Issuance Date: 4/13/2012				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
MHF4STACK	MHF #4 Stack - Normal Operations (5)	$PM/PM_{10}/PM_{2.5}$	2.64	11.54	N/A†		
		NO_x	9.10	39.86			
		SO_2	16.40	71.83			
		CO	6.60	28.91			
		VOC	2.30	6.55			
		Pb	<0.01	0.02			
		H_2SO_4	0.98	4.29			
		Hg	<0.01	0.01			
		HCl	0.31	1.35			
		HF	0.06	0.24			
MHF4VENT	MHF #4 Vent - MSS Operations (6)	$PM/PM_{10}/PM_{2.5}$	0.29	0.03	N/A†		
		NO_x	1.21	0.12			
		SO_2	0.02	<0.01			
		CO	3.17	0.32			
		VOC	0.21	0.02			
M5FDBNDCVT	MHF #5 Feed Bin DC Vent	$PM/PM_{10}/PM_{2.5}$	0.02	0.09	N/A†		

Major NSR Summary Table

Permit Number: 78421/PSDTX1183			Issuance Date: 4/13/2012				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
MHF5STACK	MHF #5 Stack - Normal Operations (5)	$PM/PM_{10}/PM_{2.5}$	2.64	11.54	N/A†		
		NO_x	9.10	39.86			
		SO_2	16.40	71.83			
		CO	6.60	28.91			
		VOC	2.30	6.55			
		Pb	<0.01	0.02			
		H_2SO_4	0.98	4.29			
		Hg	<0.01	0.01			
		HCl	0.31	1.35			
		HF	0.06	0.24			
MHF5VENT	MHF #5 Vent - MSS Operations (6)	$PM/PM_{10}/PM_{2.5}$	0.29	0.03	N/A†		
		NO_x	1.21	0.12			
		SO_2	0.02	<0.01			
		CO	3.17	0.32			
		VOC	0.21	0.02			
M4ASHDCVT	MHF #4-5 Ash Silo Vacuum Blower DC	$PM/PM_{10}/PM_{2.5}$	0.13	0.56	N/A†		
M4ASHLOAD	MHF #4-5 Ash Silo Truck Loading DC	$PM/PM_{10}/PM_{2.5}$	0.06	0.09	N/A†		
M6FDBNDCVT	MHF #6 Feed Bin DC Vent	$PM/PM_{10}/PM_{2.5}$	0.02	0.09	N/A†		

Major NSR Summary Table

Permit Number: 78421/PSDTX1183			Issuance Date: 4/13/2012				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
MHF6STACK	MHF #6 Stack - Normal Operations (5)	$PM/PM_{10}/PM_{2.5}$	2.64	11.54	N/A†		
		NO_x	9.10	39.86			
		SO_2	16.40	71.83			
		CO	6.60	28.91			
		VOC	2.30	6.55			
		Pb	<0.01	0.02			
		H_2SO_4	0.98	4.29			
		Hg	<0.01	0.01			
		HCl	0.31	1.35			
		HF	0.06	0.24			
MHF6VENT	MHF #6 Vent - MSS Operations (6)	$PM/PM_{10}/PM_{2.5}$	0.29	0.03	N/A†		
		NO_x	1.21	0.12			
		SO_2	0.02	<0.01			
		CO	3.17	0.32			
		VOC	0.21	0.02			
M7FDBNDCVT	MHF #7 Feed Bin DC Vent	$PM/PM_{10}/PM_{2.5}$	0.02	0.09	N/A†		
MHF7STACK	MHF #7 Stack - Normal Operations (5)	$PM/PM_{10}/PM_{2.5}$	2.64	11.54	N/A†		
		NO_x	9.10	39.86			
		SO_2	16.40	71.83			
		CO	6.60	28.91			
		VOC	2.30	6.55			
		Pb	<0.01	0.02			
		H_2SO_4	0.98	4.29			
		Hg	<0.01	0.01			
		HCl	0.31	1.35			
		HF	0.06	0.24			

Major NSR Summary Table

Permit Number: 78421/PSDTX1183			Issuance Date: 4/13/2012				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
MHF7VENT	MHF #7 Vent - MSS Operations (6)	$PM/PM_{10}/PM_{2.5}$	0.29	0.03	N/A†		
		NO_x	1.21	0.12			
		SO_2	0.02	<0.01			
		CO	3.17	0.32			
		VOC	0.21	0.02			
M6ASHDCVT	MHF #6-#7 Ash Silo Vacuum Blower DC	$PM/PM_{10}/PM_{2.5}$	0.13	0.56	N/A†		
M6ASHLOAD	MHF #6-#7 Ash Silo Truck Loading DC	$PM/PM_{10}/PM_{2.5}$	0.06	0.09	N/A†		
MHFVAC	MHF #4-#7 Vacuum Unit Vent	$PM/PM_{10}/PM_{2.5}$	0.02	0.09	N/A†		
8MILLFDBNA	#8 Mill Feed Bin A DC	PM/PM_{10}	0.04	0.19	N/A†		
		$PM_{2.5}$	0.01	0.02			
8MILLFDBNB	#8 Mill Feed Bin B DC	PM/PM_{10}	0.04	0.19	N/A†		
		$PM_{2.5}$	0.01	0.02			
8MILLFDBNC	#8 Mill Feed Bin C DC	PM/PM_{10}	0.04	0.19	N/A†		
		$PM_{2.5}$	0.01	0.02			
8MILLFDBND	#8 Mill Feed Bin D DC	PM/PM_{10}	0.04	0.19	N/A†		
		$PM_{2.5}$	0.01	0.02			
9MILLFDBNA	#9 Mill Feed Bin A DC	PM/PM_{10}	0.04	0.19	N/A†		
		$PM_{2.5}$	0.01	0.02			
9MILLFDBNB	#9 Mill Feed Bin B DC	PM/PM_{10}	0.04	0.19	N/A†		
		$PM_{2.5}$	0.01	0.02			
9MILLFDBNC	#9 Mill Feed Bin C DC	PM/PM_{10}	0.04	0.19	N/A†		
		$PM_{2.5}$	0.01	0.02			
9MILLFDBND	#9 Mill Feed Bin D	PM/PM_{10}	0.04	0.19	N/A†		

Major NSR Summary Table

Permit Number: 78421/PSDTX1183			Issuance Date: 4/13/2012				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
	DC	$PM_{2.5}$	0.01	0.02			
10MILLFDBNA	#10 Mill Feed Bin A DC	PM/PM_{10}	0.04	0.19	N/A†		
		$PM_{2.5}$	0.01	0.02			
10MILLFDBNB	#10 Mill Feed Bin B DC	PM/PM_{10}	0.04	0.19	N/A†		
		$PM_{2.5}$	0.01	0.02			
10MILLFDBNC	#10 Mill Feed Bin C DC	PM/PM_{10}	0.04	0.19	N/A†		
		$PM_{2.5}$	0.01	0.02			
10MILLFDBND	#10 Mill Feed Bin D DC	PM/PM_{10}	0.04	0.19	N/A†		
		$PM_{2.5}$	0.01	0.02			
8MILLDCSTK	#8 Mill DC Stack	PM/PM_{10}	0.21	0.94	N/A†		
		$PM_{2.5}$	0.01	0.09			
21BKBNDCSK	#21 Bulk Bin DC Stack	PM/PM_{10}	0.13	0.56	N/A†		
		$PM_{2.5}$	0.01	0.06			
22BKBNDCSK	#22 Bulk Bin DC Stack	PM/PM_{10}	0.13	0.56	N/A†		
		$PM_{2.5}$	0.01	0.06			
23BKBNDCSK	#23 Bulk Bin DC Stack	PM/PM_{10}	0.13	0.56	N/A†		
		$PM_{2.5}$	0.01	0.06			
24BKBNDCSK	#24 Bulk Bin DC Stack	PM/PM_{10}	0.13	0.56	N/A†		
		$PM_{2.5}$	0.01	0.06			
LOB5DCST	Load Out Bin #5 DC Stack	PM/PM_{10}	0.15	0.66	4, 5, 10, 12	2, 4, 10, 11, 12	10, 11
		$PM_{2.5}$	0.02	0.07			
LS5DCSTK	Loading Spout #5 DC Stack	PM/PM_{10}	0.06	0.09	4, 5, 10, 12	2, 4, 6, 10, 11, 12	10, 11
		$PM_{2.5}$	0.01	0.01			
LOB6DCST	Load Out Bin #6 DC Stack	PM/PM_{10}	0.15	0.66	N/A†		
		$PM_{2.5}$	0.02	0.07			
LS6DCSTK	Loading Spout #6 DC Stack	PM/PM_{10}	0.06	0.09	N/A†		
		$PM_{2.5}$	0.01	0.01			

Major NSR Summary Table

Permit Number: 78421/PSDTX1183			Issuance Date: 4/13/2012				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
9MILLDCSTK	#9 Mill DC Stack	PM/PM_{10}	0.34	1.50	N/A†		
		$PM_{2.5}$	0.04	0.15			
9MILLVAC	#9 Mill Vacuum Unit Vent	$PM/PM_{10}/PM_{2.5}$	0.02	0.09	N/A†		
25BKBNDCSK	#25 Bulk Bin DC Stack	PM/PM_{10}	0.13	0.56	N/A†		
		$PM_{2.5}$	0.01	0.06			
26BKBNDCSK	#26 Bulk Bin DC Stack	PM/PM_{10}	0.13	0.56	N/A†		
		$PM_{2.5}$	0.01	0.06			
27BKBNDCSK	#27 Bulk Bin DC Stack	PM/PM_{10}	0.13	0.56	N/A†		
		$PM_{2.5}$	0.01	0.06			
28BKBNDCSK	#28 Bulk Bin DC Stack	PM/PM_{10}	0.13	0.56	N/A†		
		$PM_{2.5}$	0.01	0.06			
LOB7DCST	Load Out Bin #7 DC Stack	PM/PM_{10}	0.15	0.66	N/A†		
		$PM_{2.5}$	0.02	0.07			
LS7DCSTK	Loading Spout #7 DC Stack	PM/PM_{10}	0.06	0.09	N/A†		
		$PM_{2.5}$	0.01	0.01			
LOB8DCST	Load Out Bin #8 DC Stack	PM/PM_{10}	0.15	0.66	N/A†		
		$PM_{2.5}$	0.02	0.07			
LS8DCSTK	Loading Spout #8 DC Stack	PM/PM_{10}	0.06	0.09	N/A†		
		$PM_{2.5}$	0.01	0.01			
10MILLDCSTK	#10 Mill DC Stack	PM/PM_{10}	0.34	1.50	N/A†		
		$PM_{2.5}$	0.04	0.15			
29BKBNDCSK	#29 Bulk Bin DC Stack	PM/PM_{10}	0.13	0.56	N/A†		
		$PM_{2.5}$	0.01	0.06			
30BKBNDCSK	#30 Bulk Bin DC Stack	PM/PM_{10}	0.13	0.56	N/A†		
		$PM_{2.5}$	0.01	0.06			
31BKBNDCSK	#31 Bulk Bin DC	PM/PM_{10}	0.13	0.56	N/A†		

Major NSR Summary Table

Permit Number: 78421/PSDTX1183			Issuance Date: 4/13/2012				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
	Stack	$PM_{2.5}$	0.01	0.06			
32BKBNDCSK	#32 Bulk Bin DC Stack	PM/PM_{10}	0.13	0.56	N/A†		
		$PM_{2.5}$	0.01	0.06			
LOB9DCST	Load Out Bin #9 DC Stack	PM/PM_{10}	0.15	0.66	N/A†		
		$PM_{2.5}$	0.02	0.07			
LS9DCSTK	Loading Spout #9 DC Stack	PM/PM_{10}	0.06	0.09	N/A†		
		$PM_{2.5}$	0.01	0.01			
LOB10DCST	Load Out Bin #10 DC Stack	PM/PM_{10}	0.15	0.66	N/A†		
		$PM_{2.5}$	0.02	0.07			
LS10DCSTK	Loading Spout #10 DC Stack	PM/PM_{10}	0.06	0.09	N/A†		
		$PM_{2.5}$	0.01	0.01			
LOB11DCST	Load Out Bin #11 DC Stack	PM/PM_{10}	0.15	0.66	N/A†		
		$PM_{2.5}$	0.02	0.07			
LS11DCSTK	Loading Spout#11 DC Stack	PM/PM_{10}	0.06	0.09	N/A†		
		$PM_{2.5}$	0.01	0.01			
GENCOOL2	Generator Cooling Tower #2	$PM/PM_{10}/PM_{2.5}$	0.06	0.25	N/A†		
LS1DCVT	Lignite Silos #1 DC Vent	$PM/PM_{10}/PM_{2.5}$	0.09	0.38	3, 4, 5, 10, 12	2, 3, 4, 10, 11, 12	3, 10, 11
LS2DCVT	Lignite Silos #2 DC Vent	$PM/PM_{10}/PM_{2.5}$	0.09	0.38	3, 4, 5, 10, 12	2, 3, 4, 10, 11, 12	3, 10, 11

† Sources will be removed from the permit in the next PSD permit renewal. These sources were never built.

Footnotes:

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
DC - dust collector
(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$
PM_{10} - particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
HCl - hydrogen chloride
HF - hydrogen fluoride
Hg - mercury
H_2SO_4 - sulfuric acid
Pb - lead
(4) Compliance with annual emission limits is based on a rolling 12-month period.
(5) Activities and emissions associated with MHF Normal Operations as defined in Special Condition Nos. 7 and 8.
(6) Activities and emissions associated with MHF MSS Operations as defined in Special Condition Nos. 7 and 9.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

July 21, 2015

MS AMY CLYDE
SAFETY HEALTH & ENVIRONMENTAL MANAGER
CABOT NORIT AMERICAS INC
3200 UNIVERSITY AVE
MARSHALL TX 75670-4842

Re: Permit Alteration
Permit Number: 78421
Expiration Date: January 5, 2017
Cabot Norit Americas, Inc.
Marshall Plant
Marshall, Harrison County
Regulated Entity Number: RN102609724
Customer Reference Number: CN600356372
Account Number: HH-0019-H
Associated Permit Number: PSDTX1183

Dear Ms. Clyde:

This is in response to your letter received March 23, 2015. In accordance with Title 30 Texas Administrative Code §116.116(c), you have changed representations previously filed for Permit Number 78421 which include replacement of a dust collection unit. These changes have been reviewed and the permit file has been updated. Please attach this letter to your permit.

You are reminded that these facilities must be in compliance with all rules and regulations of the Texas Commission on Environmental Quality (TCEQ) and of the U.S. Environmental Protection Agency at all times.

If you need further information or have any questions, please contact Mr. Benjamin Hansen, Ph.D., P.E. at (512) 239-4578 or write to the Texas Commission on Environmental Quality, Office of Air, Air Permits Division, MC-163, P.O. Box 13087, Austin, Texas 78711-3087.

Re: Permit Number: 78421

This action is taken under authority delegated by the Executive Director of TCEQ.

Sincerely,

Michael Wilson, P.E., Director
Air Permits Division
Office of Air
Texas Commission on Environmental Quality

MPW/bh

Enclosure

cc: Air Section Manager, Region 5 – Tyler
Air Permits Section Chief, New Source Review Section (6PD-R), U.S. Environmental Protection Agency, Region 6, Dallas

Project Number: 231452

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

October 10, 2014

MS AMY CLYDE
SAFETY HEALTH & ENVIRONMENTAL MANAGER
CABOT NORIT AMERICAS INC
3200 UNIVERSITY AVE
MARSHALL TX 75670-4842

Re: Permit Alteration
Permit Number: 78421
Renewal Date: January 5, 2017
Cabot Norit Americas, Inc.
Marshall Plant
Marshall, Harrison County
Regulated Entity Number: RN102609724
Customer Reference Number: CN600356372
Account Number: HH-0019-H
Associated Permit Number: PSDTX1183

Dear Ms. Clyde:

This is in response to your letter received July 14, 2014. In accordance with Title 30 Texas Administrative Code §116.116(c), you have changed representations previously filed for Permit Number 78421 which include an increase in the product yield to 5000 pounds per hour. The revised representations are associated with two Emission Point Numbers MHF2STACK and MHF3STACK on this permit. These changes have been reviewed and the permit file has been updated. Please attach this letter to your permit.

You are reminded that these facilities must be in compliance with all rules and regulations of the Texas Commission on Environmental Quality (TCEQ) and of the U.S. Environmental Protection Agency at all times.

If you need further information or have any questions, please contact Ms. Laura Gibson, P.E. at (512) 239-2175 or write to the Texas Commission on Environmental Quality, Office of Air, Air Permits Division, MC-163, P.O. Box 13087, Austin, Texas 78711-3087.

Re: Permit Number: 78421

This action is taken under authority delegated by the Executive Director of TCEQ.

Sincerely,

Michael Wilson, P.E., Director
Air Permits Division
Office of Air
Texas Commission on Environmental Quality

MPW/lg

Enclosure

cc: Kristin Bahus, Cabot Norit Americas Inc, 3200 University Ave, Marshall TX 75670
Air Section Manager, Region 5 - Tyler
Air Permits Section Chief, New Source Review Section (6PD-R), U.S. Environmental Protection Agency, Region 6, Dallas

Project Number: 214284

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

December 23, 2013

MS AMY CLYDE
SAFETY HEALTH & ENVIRONMENTAL MANAGER
CABOT NORIT AMERICAS INC
3200 UNIVERSITY AVE
MARSHALL TX 75670-4842

Re: Permit Alteration
Permit Number: 78421
Carbon Production Facility
Marshall, Harrison County
Regulated Entity Number: RN102609724
Customer Reference Number: CN600356372
Account Number: HH-0019-H
Associated Permit Number: PSDTX1183

Dear Ms. Clyde:

This is in response to your letter received September 23, 2013, requesting alteration of the representations of the above-referenced permit. We understand you wish to update the permit application representations to reflect differences between the permitted and as-built stack parameters of several units authorized by this permit.

As indicated in Title 30 Texas Administrative Code § 116.116(c) [30 TAC § 116.116(c)], and based on our review, Permit Number 78421 is altered. Please attach this letter to your permit.

Your cooperation in this matter is appreciated. If you need further information or have any questions, please contact Ms. Laura Gibson, P.E. at (512) 239-2175 or write to the Texas Commission on Environmental Quality, Office of Air, Air Permits Division, MC-163, P.O. Box 13087, Austin, Texas 78711-3087.

Re: Permit Numbers: 78421 and PSDTX1183

This action is taken under authority delegated by the Executive Director of the Texas Commission on Environmental Quality.

Sincerely,

Michael Wilson, P.E., Director
Air Permits Division
Office of Air
Texas Commission on Environmental Quality

MPW/lg

cc: Anna Athappa, Providence Engineering & Environmental Group LLC, Irving
Air Section Manager, Region 5 - Tyler
Air Permits Section Chief, New Source Review, Section (6PD-R), U.S. Environmental Protection Agency, Region 6, Dallas

Project Number: 198828

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

April 13, 2012

MR CURTIS MILES
MANAGER REGULATORY AFFAIRS
NORIT AMERICAS INC
3200 UNIVERSITY AVE
MARSHALL TX 75670-4842

Re: Permit Amendment Application
Permit Number: 78421
Carbon Production Facility
Marshall, Harrison County
Regulated Entity Number: RN102609724
Customer Reference Number: CN600356372
Account Number: HH-0019-H
Associated Permit Number: PSDTX1183

Dear Mr. Miles:

This is in response to your letters received January 27, 2012 and February 3, 2012, and your Form PI-1 (General Application for Air Preconstruction Permits and Amendments) concerning the proposed amendment to Permit Number 78421. We understand that you propose to: (1) revise the performance specification for particulate matter emissions from the multihearth furnace baghouses in Special Condition No. 5.C.; (2) delete the sulfuric acid mist control efficiency requirement in Special Condition No. 8.E.; and (3) construct a tote bag loading line for activated carbon, to be controlled by enclosure, mechanical venting, and a sock filter.

As indicated in Title 30 Texas Administrative Code § 116.116(b) [30 TAC § 116.116(b)], and based on our review, Permit Number 78421 is hereby amended. This information will be incorporated into the existing permit file. Enclosed are revised special conditions pages and a maximum allowable emission rates (MAERT) table to replace those currently attached to your permit. We appreciate your careful review of the special conditions of the permit and assuring that all requirements are consistently met.

Planned maintenance, startup, and shutdown emissions have been previously reviewed, authorized, and included in the MAERT. Any other maintenance activities are not authorized by this permit and will need to obtain a separate authorization.

Re: Permit Number: 78421

This amendment will be automatically void upon the occurrence of any of the following, as indicated in 30 TAC § 116.120(a):

1. Failure to begin construction of the changes authorized by this amendment within 18 months from the date of this authorization.

2. Discontinuance of construction of the changes authorized by this amendment for a period of 18 consecutive months or more.

3. Failure to complete the changes authorized by this amendment within a reasonable time.

Upon request, the executive director may grant extensions as allowed in 30 TAC § 116.120(b).

As of July 1, 2008, all analytical data generated by a mobile or stationary laboratory in support of compliance with air permits must be obtained from a NELAC (National Environmental Laboratory Accreditation Conference) accredited laboratory under the Texas Laboratory Accreditation Program or meet one of several exemptions. Specific information concerning which laboratories must be accredited and which are exempt may be found in 30 TAC § 25.4 and § 25.6.

For additional information regarding the laboratory accreditation program and a list of accredited laboratories and their fields of accreditation, please see the following Web site:

www.tceq.texas.gov/compliance/compliance_support/qa/env_lab_accreditation.html

For questions regarding the accreditation program, you may contact the Texas Laboratory Accreditation Program at (512) 239-3754 or by e-mail at labprgms@tceq.texas.gov.

You may file a **motion to overturn** with the Chief Clerk. A motion to overturn is a request for the commission to review the executive director's decision. Any motion must explain why the commission should review the executive director's decision. According to 30 TAC § 50.139, an action by the executive director is not affected by a motion to overturn filed under this section unless expressly ordered by the commission.

A motion to overturn must be received by the Chief Clerk within 23 days after the date of this letter. An original and 11 copies of a motion must be filed with the Chief Clerk in person, or by mail to the Chief Clerk's address on the attached mailing list. On the same day the motion is transmitted to the Chief Clerk, please provide copies to the applicant, the executive director's attorney, and the Public Interest Counsel at the addresses listed on the attached mailing list. If a motion to overturn is not acted on by the commission within 45 days after the date of this letter, then the motion shall be deemed overruled.

You may also request **judicial review** of the executive director's approval. According to Texas Health and Safety Code § 382.032, a person affected by the executive director's approval must file a petition appealing the executive director's approval in Travis County district court within 30 days after the effective date of the approval. Even if you request judicial review, you still must exhaust your administrative remedies, which includes filing a motion to overturn in accordance with the previous paragraphs.

Your cooperation in this matter is appreciated. If you need further information or have any questions, please contact Mr. Randy Hamilton, P.E. at (512) 239-1512 or write to the Texas Commission on Environmental Quality, Office of Air, Air Permits Division, MC-163, P.O. Box 13087, Austin, Texas 78711-3087.

This action is taken under authority delegated by the Executive Director of the TCEQ.

Sincerely,

Michael Wilson, P.E., Director
Air Permits Division
Office of Air
Texas Commission on Environmental Quality

MPW/RH

Enclosures

cc: Air Section Manager, Region 5 - Tyler
Air Permits Section Chief, New Source Review, Section (6PD-R), U.S. Environmental Protection Agency, Region 6, Dallas
Mr. Jeremy J. Halland, Air Quality Specialist II, Providence Engineering and Environmental Group, Irving

Project Number: 174010

Special Conditions

Permit Numbers 78421 and PSDTX1183

1. This permit authorizes activated carbon manufacturing and ancillary lignite raw material and activated carbon milling, handling, storage, packaging, and shipping facilities associated with the multi-hearth furnace (MHF) 2, 3, 4, 5, 6, and 7 activated carbon production lines located at 3200 University Avenue, Marshall, Harrison County.

   A. This permit authorizes only those sources of emissions located at this site that, along with their emission point numbers (EPNs) are listed in the attached table entitled "Emission Sources - Maximum Allowable Emission Rates" (MAERT). The nature and rates of air contaminants authorized from each source/facility are limited to those listed in the MAERT for the named source/facility and its respective EPN.

   B. Planned maintenance, startup, and shutdown (MSS) related emissions are authorized for the sources and activities described in and limited by Special Condition Nos. 7, 9, and the MAERT. No other MSS activities and emissions are authorized by this permit for the facilities listed on the MAERT.

2. Source/facility identification. Within 180 days of the issuance date of this permit for modified or reconstructed sources/facilities, and no later than the startup date of new sources/facilities, the holder of the permit shall physically identify and mark in a conspicuous location the source/facility name and EPN for each source listed in the MAERT. Source/facility names shall be those established in this permit with the associated facility identification number (FIN) as established in the point source emissions inventory for the source. Fugitive emissions sources need not be labeled, but their location and the EPN for each shall be annotated on a current plot plan kept for that purpose. All of the sources will be marked in agreement with their identification on the plot plan submitted with the application for this PSD permit dated October 29, 2008, as updated on July 22, 2009. An as-built plot plan shall be created within 180 days of facility startup and must be kept depicting the same information, amended as appropriate, as the plot plans submitted with the applications.

Federal Requirements

3. A. The lignite coal preparation and processing facilities authorized under this permit are subject to the applicable requirements of Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), as follows:

      (1) NSPS Subpart A, General Provisions (40 CFR § 60.1 *et seq.*); and,

      (2) NSPS Subpart Y, Standards of Performance for Coal Preparation and Processing Plants (40 CFR § 60.250 *et seq.).*

Operational Limitations

4. Visible emissions and opacity related requirements that apply to the sources and emission points authorized in this permit are as follows:

   A. There shall be no visible emissions leaving the property at any time. Observations for visible emissions shall be performed and recorded quarterly while the facilities at the site are in operation. The visible emission determination must be made in accordance with 40 CFR Part 60, Appendix A, Test Method 22. The observation period when conducting Test Method 22 shall extend for at least five minutes during normal operations. Contributions from uncombined water shall not be included in determining compliance with this condition. If visible emissions are observed crossing the property line, then an evaluation and identification of the source and cause of the visible emissions shall be conducted within 24 hours and documented. Corrective action to eliminate the source of visible

emissions shall be taken promptly and documented within one week of first observation of the visible emissions.

B. The opacity from each stack or vent listed in the table below shall not exceed 10 percent. The opacity from all other stacks and vents at the site (not listed in the table) shall not exceed 5 percent. This determination shall be made by first observing for visible emissions while each facility is in operation. Observations shall be made at least 15 feet and no more than 0.25 miles from the emission point(s). Up to three emissions points may be read concurrently, provided that all three emissions points are within a 70 degree viewing sector or angle in front of the observer such that the proper sun position (i.e., at the observer's back) can be maintained for all three emission points. If visible emissions are observed from an emission point, then the opacity shall be determined for that emission point within 24 hours using 40 CFR Part 60, Appendix A, Test Method 9. Contributions from uncombined water shall not be included in determining compliance with this condition. Observations shall be performed and recorded quarterly. If the opacity exceeds the designated limit, corrective action to eliminate the source of visible emissions shall be taken promptly and documented within one week of first observation.

EPN
MHFXFDCVT, MHFLSDCVT, MHFLS2DCVT, MHF2STACK, MHF2VENT, MHF3STACK, MHF3VENT, LS5DCVT, MHF4STACK, MHF4VENT, MHF5STACK, MHF5VENT, MHF6STACK, MHF6VENT, MHF7STACK, MHF7VENT, LS1DCVT, LS2DCVT

5. Particulate matter (PM), including PM_{10} and $PM_{2.5}$ (as defined in the MAERT) emissions sources. Sources of PM emissions whose emissions are routed through a vent using powered mechanical drives to induce airflow are considered mechanically vented sources. Sources of PM emissions whose emissions are not mechanically vented are considered passively controlled sources. The following additional requirements apply to PM sources:

   A. Passively controlled sources identified as EPNs LGNTUNLPIT, STAMLER, LGPTTOLSB, KLN5TRNSFR, WILLMILL, FGRVTRNSFR, LIGSIL4VFD, MHF2VENT through MHF7VENT, LIGPIT2, CRUSHER2, CRUSHER3, and LIGCNV2 are subject to the following:

      (1) Opacity and visible emissions observations for sources totally enclosed in buildings or other structures may be performed on the enclosing structure in lieu of being performed on the source. Where multiple sources are enclosed within a single building, then the most stringent limitation of the multiple sources is the limit that applies to the visible emissions and opacity of the emissions from the building.

      (2) The source with the EPN WILLMILL shall be fully enclosed, and the sources with EPNs STAMLER, CRUSHER2, and CRUSHER3 shall be enclosed on 5 of 6 sides. The conveyors and conveyor transfer sources with the following EPNs will be enclosed and covered or inside buildings: LGPTTOLSB, KLN5TRNSFR, LIGSIL4VFD, LIGCNV2, and FGTVTRNSFR.

      (3) A demonstration of compliance with the control efficiency limitations of this special condition for a source or demonstration of compliance with the emissions limitation of the MAERT for a source by appropriate testing shall be made for any of these sources upon demand of the TCEQ Tyler Regional Director or representative of any air pollution control program with jurisdiction. If such a demand is made, then timing established by the test requestor, the requirements of this Special Condition 5.A., and those of Special Condition No. 10 shall be followed in planning, testing, making, and documenting the required demonstration.

      (4) Plant roads shall be oiled, paved and cleaned, or sprinkled with water and/or chemicals, as necessary, to achieve maximum control of dust emissions and to comply with any applicable requirements associated with all TCEQ rules and regulations and the applicable requirements of NSPS Subpart Y.

   B. Each of the mechanically vented sources with the following EPNs: GENCOOL1 and GENCOOL2 (cooling towers) shall not have cooling water that exceeds a total dissolved solids (TDS) concentration of 15,000 parts per million by weight (ppmw) or that concentration in the cooling water that shall assure that the limitations in the MAERT are met at all times that the cooling towers are operated. Drift from the cooling towers will be minimized by using drift eliminators that will reduce drift to 0.0005 percent of the circulating water. Determination of compliance with these limitations shall be made by either Direct TDS analysis or Conductivity Measurement and relevant flow rate characteristics. Unless otherwise noted, test methods referred to in this paragraph (Special Condition No. 5.B.) are from the 20th edition of Standard Methods for the Examination of Water and Wastewater (Standard Methods). Monitoring and compliance with the TDS limitations and conductivity requirements shall be as follows:

      (1) Direct TDS Analysis

         a. All samples shall be taken in accordance with the appropriate methods from Standard Methods and the analysis shall be conducted in accordance with Standard Methods, Method 2540.

         b. Continuous compliance with the hourly and annual PM emission rates for the cooling towers in the MAERT shall be demonstrated by monitoring the TDS of the cooling water at a

monitoring point in the re-circulating water of the cooling tower, and recording the TDS every two weeks.

c. If a TDS exceedance occurs, then an evaluation shall be conducted within 24 hours of the receipt of the analysis report and corrective action to eliminate the exceedance shall be taken promptly and documented within one week of the occurrence.

(2) Conductivity Measurement.

a. Perform sampling to establish the conductivity-to-TDS conversion factor that shall be used by the permit holder to demonstrate compliance with the TDS concentration. A conservative default conversion factor of 0.80 (conductivity-to-TDS) may be used initially until a site specific demonstrated value is determined.

Cooling water samples (minimum of three samples) shall be collected and Conductivity and TDS analyses shall be performed on each of the samples in order to establish the actual cooling water conductivity-to-TDS conversion factor. The conductivity and TDS analysis shall be performed in accordance with Standard Methods, Methods 2510 (Conductivity) and 2540 (Solids). An average conversion factor and standard deviation based on the values shall be determined from the cooling water sample results.

b. Within 30 days after completion of the sampling, a copy of the sampling report shall be submitted to the TCEQ Tyler Regional Office.

c. Continuous compliance with the hourly and annual PM emission rates in the MAERT shall be demonstrated by monitoring the conductivity of the cooling water at a monitoring point in the re-circulating water of the cooling tower, and recording the conductivity reading on no less than a weekly basis. Each conductivity measurement shall be converted to TDS concentration in ppmw using the conductivity factor established in accordance with Special Condition No. 5.B.(2)a. The permit holder shall utilize one of the following monitoring options.

i. A Process Conductivity Meter (PCM).

1. The PCM shall be quality assured quarterly, to confirm the conversion factor, TDS ppmw, and the correlation between the two, by performing a conductivity and TDS analysis. The conductivity and TDS analysis shall be performed in accordance with Standard Methods, Method 2510 (Conductivity) and Method 2540 (Solids).

2. The PCM shall be calibrated once a quarter in accordance with the manufacturer specifications.

3. In the event the PCM is offline due to repair or maintenance, either a portable conductivity meter or a TDS analysis in accordance with Standard Methods, Method 2540 (solids), shall be used to satisfy the weekly periodic monitoring requirements.

ii. A portable conductivity meter.

1. The portable conductivity meter shall be quality assured quarterly to confirm the conversion factor, TDS ppmw, and the correlation between the two, by performing a conductivity and TDS analysis. The conductivity and TDS

analysis shall be performed in accordance with Standard Methods, Method 2510 (Conductivity) and Method 2540 (Solids).

2. The portable conductivity meter shall be calibrated once a quarter in accordance with the manufacturer specifications.

3. In the event the portable conductivity is unavailable due to repair or maintenance, a TDS analysis in accordance with Method 2540 (solids), shall be used to satisfy the weekly periodic monitoring requirements.

d. If a conductivity exceedance occurs then an evaluation shall be conducted within 24 hours and corrective action to eliminate the exceedance shall be taken promptly and documented with one week of the occurrence.

(3) Records shall include the date and time of the monitoring, the location of the monitoring point for the cooling tower recirculating water, and the measured conductivity and equivalent TDS or the direct TDS analysis.

(4) Cooling tower mechanical controls such as drift eliminators shall be operated and maintained in good mechanical order, consistent with manufacturers' requirements for proper operation. Maintenance and repairs of the system shall be documented when they occur.

C. Mechanically vented sources other than those listed in Special Condition No. 5.B. are subject to the following additional requirements:

(1) The sources listed in the table below are subject to and shall not exceed a filterable PM emission limit of 0.007 grain per dry standard cubic feet (gr/dscf) at all times when those sources are operating. **(4/12)**

EPNs		
MHFXFRDCVT	MHFLSDCVT	MHFLS2DCVT
MHF2STACK	MHF3STACK	MHF4STACK
MHF5STACK	MHF6STACK	MHF7STACK

(2) The sources listed in the table below are subject to and shall not exceed a filterable PM emission limit of 0.005 gr/dscf at all times when those sources are operating. **(4/12)**

EPNs		
M2FDBNDCVT	M2ASHLOAD	LOB5DCST
13BKBNDCSK	M4FDBNDCVT	LS5DCSTK
14BKBNDCSK	M5FDBNDCVT	LOB6DCST
15BKBNDCSK	M4ASHDCVT	LS6DCSTK
16BKBNDCSK	M4ASHLOAD	9MILLDCSTK
6MILLDCSTK	M6FDBNDCVT	9MILLVAC
6MILLVAC	M7FDBNDCVT	25BKBNDCSK
6MILLFDBNA	M6ASHDCVT	26BKBNDCSK
6MILLFDBNB	M6ASHLOAD	27BKBNDCSK
M3XFERDCSK **(4/12)**	MHFVAC	28BKBNDCSK
LOB1DCST	8MILLFDBNA	LOB7DCST
LS1DCSTK	8MILLFDBNB	LS7DCSTK
LOB2DCST	8MILLFDBNC	LOB8DCST
LS2DCSTK	8MILLFDBND	LS8DCSTK
M3FDBNDCVT	9MILLFDBNA	10MILLDCSTK

EPNs		
17BKBNDCSK	9MILLFDBNB	29BKBNDCSK
18BKBNDCSK	9MILLFDBNC	30BKBNDCSK
19BKBNDCSK	9MILLFDBND	31BKBNDCSK
20BKBNDCSK	10MILLFDBNA	32BKBNDCSK
7MILLDCSTK	10MILLFDBNB	LOB9DCST
7MILLFDBNA	10MILLFDBNC	LS9DCSTK
7MILLFDBNB	10MILLFDBND	LOB10DCST
LOB3DCST	8MILLDCSTK	LS10DCSTK
LS3DCSTK	21BKBNDCSK	LOB11DCST
LOB4DCST	22BKBNDCSK	LS11DCSTK
LS4DCSTK	23BKBNDCSK	
M2ASHDCVT	24BKBNDCSK	

(2) Initial demonstration of compliance with PM (including PM, PM_{10}, and $PM_{2.5}$) limitations in the MAERT for these mechanically vented sources shall be made in accordance with the requirements of Special Condition No. 10 using the following EPA reference method tests found in 40 CFR Part 60, Appendix A-1 through A-7, unless otherwise noted:

a. Method 1 or 1A as appropriate for stack sample location selection and number of traverse points.

b. Method 2 or 2A, 2C, 2D, 2F, or 2G as appropriate for stack volumetric flow rate determination.

c. Method 3 or 3A, or 3B as appropriate for dry molecular weight of the stack gas.

d. Method 4 for moisture content of the stack gas.

e. Method 5 or 5B or 5D as appropriate for PM emissions determinations. As an alternative, and if appropriate, Method 17 may be used.

The sampling time and sample volume for each test run for each non-combustion source shall be at least 60 minutes and 30 dry standard cubic feet (dscf), respectively. The sample time shall be at least 60 minutes for each of the six MHF stacks being tested (EPNs: MHF2STACK through MHF7STACK). A minimum of three valid test runs are needed to comprise a PM performance test for each stack.

Where numerous similar ambient temperature mechanically vented facilities exist that each have fabric filter type controls, a single performance test may be used to demonstrate compliance with the PM emissions limitations of the MAERT. Each representative source tested must be similar with respect to the emissions control parameters (e.g., the same maximum outlet grain loading) and similar operating parameters (e.g., inlet grain loading, air to cloth ratio, etc). The following sources are grouped according to similarity in design and function for the purpose of determining an appropriate representative source for performance testing. Sources not indicated listed as a member of a group shall be tested individually in accordance with the relevant Special Condition based on if mechanically or passively vented. From each group of sources listed below, one unit will be tested and the results may be used as representative for all other sources in the respective group. Agreement shall be reached between the TCEQ Tyler Regional Director and the permit holder and documented as to which facilities of the group to test prior to conducting the performance testing.

- Group 1 - EPNs MHFLSDCVT, MHFLS2DCVT, and LS5DCVT;
- Group 2 - EPNs MHFXFDCVT, M2FDBNDCVT, M3FDBNDCVT, M4FDBNDCVT, M5FDBNDCVT, M6FDBNDCVT, and M7FDBNDCVT;
- Group 3 - EPNs 6MILLVAC, MHFVAC, and 9MILLVAC;
- Group 4 - EPNs M2ASHDCVT, M4ASHDCVT, and M6ASHDCVT;
- Group 5 - EPNs LS1DCVT and LS2DCVT;
- Group 6 - EPNs 13BKBNDCSK through 32BKBNDCSK;
- Group 7 - EPNs 6MILLDCSTK and 7MILLDCSTK;
- Group 8 - EPNs LS1DCSTK through LS5DCSTK;
- Group 9 - EPNs M2ASHLOAD, M4ASHLOAD, and M6ASHLOAD;
- Group 10 - EPNs 8MILLDCSTK, 9MILLDCSTK, and 10MILLDCSTK;
- Group 11 - EPNs 6MILLFDBNA, 6MILLFDBNB, 7MILLFDBNA, 7MILLFDBNB, 8MILLFDBNA, 8MILLFDBNB, 8MILLFDBNC, 8MILLFDBND, 9MILLFDBNA, 9MILLFDBNB, 9MILLFDBNC, 9MILLFDBND, 10MILLFDBNA, 10MILLFDBNB, 10MILLFDBNC, and 10MILLFDBND;
- Group 12 - LOB1DCST through LOB11DCST;
- Group 13 - LS6DCSTK through LS11DCSTK;

(3) Ongoing demonstrations of compliance with the PM, PM_{10}, and $PM_{2.5}$ MAERT limitations and outlet grain loading limitations for the sources listed on the MAERT shall be made by demonstrating compliance with the visible emissions observations and opacity observations per Special Condition No. 4 and pressure drop monitoring per Special Condition No. 5.C.(7).

(4) Performance tests subsequent to the initial performance test required in Special Condition No. 5.C.(2) may be required by the TCEQ Tyler Regional Director and must be completed within the timeframe requested by the Regional Director. Such performance tests shall comply with the requirements of Special Condition Nos. 5.C.(2) and 10. Additional performance tests may also be required for sources subject to NSPS Subpart Y, and those performance tests must be conducted within the timeframes and by the methods specified in Subpart Y. Such performance tests shall also comply with the requirements in Special Condition Nos. 5.C.(2) and 10.

(5) All hooding, enclosures, ductwork, and collection systems shall be effective in capturing emissions from the intended equipment and in preventing fugitive emissions. The hooding and duct system shall be maintained free of holes, cracks, and other conditions that would reduce the collection efficiency of the emissions capture system. To the extent that design will allow, the exterior of all ventilation systems in this facility will be visually inspected on a monthly basis by facility personnel. Visible leaks and cracks shall, with every reasonable effort, be repaired within a week of detection.

(6) All fabric filter control devices shall be operated and maintained in a manner consistent with the manufacturer's recommendations for the control device. Copies of the manufacturers' recommended practices shall be kept on site and made available upon demand of the TCEQ or any pollution control program representative with jurisdiction. A log shall be kept on-site which notes the emissions unit addressed, the date of each inspection, name of the inspector, the purpose of the inspection, and the nature of any repairs and maintenance work performed.

(7) The holder of this permit shall install, calibrate, and maintain a device to monitor pressure drop across the filter media in each fabric filter type PM control system for EPNs MHF2STACK, MHF3STACK, MHF4STACK, MHF5STACK, MHF6STACK, and MHF7STACK. The monitoring device for each system shall be calibrated in accordance with the manufacturer's specifications, shall be calibrated at least annually, and shall be accurate to within a range of ± 0.5 inches water gauge pressure (± 125 pascals) or ±0.5 percent of span. Pressure drop shall be recorded at least once per day.

The range of acceptable pressure drop shall be either established through the testing required in Special Condition No. 5.C.(2) or as recommended by the manufacturer to assure that the requirements of Special Condition No. 5.C.(1) are met. When any pressure drop reading is outside the range established for the source, prompt action must be taken and recorded to identify the source of the variation and restore the system to proper operating conditions.

(8) Planned maintenance on the dust collection and control system that requires the system to be shut down shall be performed only during periods when the facilities being controlled by the system are not in operation. Preventative maintenance, scheduled maintenance, and repairs performed on any abatement device shall be recorded as they occur.

(9) Waste material collected from any fabric filter system shall be managed in such a manner to minimize fugitive emissions while the waste material remains on site.

D. Good housekeeping shall be used to promptly clean up any spills of materials that could become airborne, such as activated carbon or lignite fines, in order to minimize entrainment of the materials into the ambient air.

6. The following throughput and operating hour restrictions and recordkeeping requirements apply, and the source must meet the emissions limitations of the enforceable MAERT which are based on confidential application representations.

A. The lignite unloading pits (EPNs: LGNTUNLPIT and LIGPIT2) are limited to no more than the maximum hourly (tons per hour) and maximum annual (rolling 12 month) throughput values for those sources listed on page 10-1 of the confidential portion of the July 22, 2009 update to the permit application dated October 29, 2008.

B. The lignite crushers (EPNs: STAMLER, CRUSHER2, CRUSHER3) and transfer systems (EPNs: LGPTTOLSB, LIGCNV2, KLN5TRNSFER) are limited to no more than the maximum hourly (tons per hour) and maximum annual (rolling 12 month) throughput limitations for the respective sources listed on page 10-2 of the confidential portion of the July 22, 2009 update to the permit application dated October 29, 2008.

C. Product and ash loading are limited to the following:

EPN	Source	Operating Limits for Each Spout	
		hrs/day	hrs/yr*
LS1DCSTK through LS5DCSTK	Product Loading Spouts 1 through 5	12	2,920
LS6DCSTK through LS11DCSTK	Product Loading Spouts 6 through 11	24	
M2ASHLOAD M4ASHLOAD M6ASHLOAD	Ash Silo Truck Loading	12	

*rolling 12-month basis **(4/12)**

D. Records of daily throughput and operating hours shall be updated weekly to demonstrate compliance with the appropriate daily throughput and operating hour restrictions. Monthly throughput records will be maintained to demonstrate compliance with the rolling 12-month annual throughput and operating hour restrictions for each affected facility.

7. Authorized MHF system operating scenarios. Only those emissions resulting from the following facility operating scenarios are authorized by this permit provided those emissions also meet the other relevant requirements and facility and EPN emissions limitations of this permit. The following operating scenarios apply:

A. MHFs in Normal Operations (MHF Normal Operations). During normal operations, emissions from the lignite processing and combustion of natural gas and lignite feedstock offgas that occur within each MHF (FINs: MHF2, MHF3, MHF4, MHF5, MHF6, and MHF7) are routed through a furnace-specific natural gas and lignite off-gas fired afterburner (FINs: MHF2AB through MHF7AB) used to control volatile organic compounds (VOC) and carbon monoxide (CO). Then the emissions are routed through an unfired boiler (used for heat exchange only) followed by a furnace specific spray dry absorber (SDA) for sulfur dioxide (SO_2) control. Next, the emissions are routed through a furnace-specific fabric filtration system for PM control and are finally emitted to atmosphere only at the furnace specific EPN (EPNs: MHF2STACK, MHF3STACK, MHF4STACK, MHF5STACK, MHF6STACK, and MHF7STACK). Note that flue gas recirculation (FGR), along with good combustion practices, are used to reduce nitrogen oxides (NO_x) emissions. Lignite feedstock is charged to and processed in the MHF during normal operations.

B. MHFs in authorized, planned MSS operations (MHF MSS Operations). MHF MSS Operations are those activities included in scheduled and planned furnace maintenance and repair, and scheduled and planned maintenance and repairs to the other devices in the MHF system, including the afterburner, the unfired boiler, the FGR system, the SDA system, and the PM control system. These activities may occur for each MHF system 12 times per year and extend up to approximately 15 hours duration for each event. During these operations, emissions from each MHF furnace shall be routed directly to atmosphere through its respective vent (EPNs: MHF2VENT, MHF3VENT, MHF4VENT, MHF5VENT, MHF6VENT, and MHF7VENT) and are not emitted through the furnace specific stack (EPNs: MHF2STACK, MHF3STACK, MHF4STACK, MHF5STACK, MHF6STACK, or MHF7STACK) and the afterburner associated with the furnace is not fired. This is because MHF Normal Operations and MHF MSS operations are mutually exclusive operations for a given MHF system. Emissions authorized during MSS operations consist of the products of combustion of natural gas fired within the furnace for the purpose of thermal transitioning of the furnace during startup and shutdown. In addition, during MSS activities, lignite is not permitted to be charged to the furnace for processing.

8. MHF Normal Operations requirements. During MHF Normal Operations (as described in Special Condition No. 7.A.), the source must meet the emissions limitations of the enforceable MAERT which are based on confidential application representations, and the following additional requirements apply:

   A. Feedstock.

      (1) Hourly coal feedstock feedrate and activated carbon product throughput for each MHF is limited to that described on page 10-12 of the confidential portion of the July 22, 2009 update to the permit application dated October 29, 2008.

      (2) Coal feedstock for each MHF is limited to coal feedstock that is consistent with the quality represented in the application and described on pages 10-12, 10-13, and 10-14 of the confidential portion of the July 22, 2009 update to the permit application dated October 29, 2008, including the limitations on represented average concentration (parts per million by weight, dry) of lead, manganese, and mercury in the feedstock. Usage of coal feedstock that, when processed, may result in emissions that exceed the represented emission factors used in the application shall require stack testing consistent with the requirements of Special Condition No. 8.H. and 10 to verify compliance with the MAERT for the emissions from the use of those feedstocks. If testing is required, it shall be conducted within 180 days of first firing the alternative feedstock.

      (3) Compliance with the feedstock limitations of this Special Condition for each MHF shall be demonstrated by maintaining records of feedstock type (coal classification, such as lignite, subbituminous, etc.) and hourly feedstock feed rate into each MHF.

   B. Fuel. Fuel to provide the thermal demands of each MHF shall be limited to pipeline quality sweet natural gas and offgas from lignite feedstock being charged to the associated MHF kiln. Monthly records shall be kept of natural gas usage for each MHF.

   C. Each MHF shall use low NO_x burners and good combustion practices, consistent with the representations made in the permit application dated October 29, 2008 updated as of July 22, 2009.

   D. An afterburner shall be associated with and operated in conjunction with each MHF. Each afterburner associated with each MHF must be operated and maintained in accordance with the manufacturers' recommendations. In addition, each afterburner must meet the following requirements.

      (1) Fuel shall be limited to pipeline quality, sweet natural gas and lignite feedstock offgas.

      (2) Employ low-NO_x burners, FGR, and good combustion practices to limit NO_x emissions, as represented in the permit application dated October 29, 2008 updated as of July 22, 2009 and June 22, 2010. The maximum concentration from the afterburner shall not exceed: (at 0.0% O_2) NO_x: 50 parts per million by volume, dry (ppmvd); CO: 60 ppmvd; and VOC: 30 ppmvd on an hourly basis, as demonstrated by initial performance testing.

      (3) The combustion chamber outlet temperature must be maintained at no less than 1400 degrees Fahrenheit (°F) or that minimum hourly average temperature determined through performance testing to be necessary to achieve compliance with the MAERT limitations for the source. The temperature monitor must meet the following requirements:

         a. The monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications that provides an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following:

- ± 2.50% of the temperature being measured expressed in °F; or
- ± 35°F.

b. The combustion chamber outlet temperature shall be monitored continuously and the measured values reduced to hourly averages and recorded at least once per hour.

(4) Monitoring of exhaust oxygen content or FGR parameters. The permit holder shall monitor either the exhaust stream oxygen content or parameters related to FGR rates, or both, as follows:

a. Oxygen monitoring. The permit holder shall use an oxygen monitor to measure oxygen concentration in the exhaust stream at least once per day. The oxygen monitor shall be operated in accordance with the monitoring requirements of 40 CFR § 60.13 and the performance specifications of 40 CFR Part 60 Appendix B or ASTM method ASTM D 6522-00, Standard Test Method for Determination of Nitrogen Oxides, Carbon Monoxide, and Oxygen Concentrations in Emissions from Natural Gas-Fired Reciprocating Engines, Combustion Turbines, Boilers, and Process Heaters Using Portable Analyzers along with the performance specifications of Method 205-Verification of Gas Dilution Systems for Field Instrument Calibrations of 40 CFR Part 51, Appendix M.

A minimum and maximum oxygen concentration shall be established within 180 days of initial start-up using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, and/or engineering calculations.

b. Monitor FGR fan motor current at least once per day. The monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, or other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following:

- ± 1% of reading; or
- ± 5% over its operating range.

A minimum current shall be established within 180 days of initial start-up using the most appropriate of the following: The most recent performance test data, manufacturer's recommendations, and/or engineering calculations.

E. An SDA shall be associated with and operated in conjunction with each MHF. The SDA shall be operated and maintained in accordance with manufacturer's recommendations. The control efficiency of each SDA shall be the greater of 90% or that efficiency determined through testing to be required to achieve compliance with the MAERT limitations for the source for SO_2 and hydrogen chloride (HCl). Monitoring of the operation of each SDA which includes slurry liquid specific gravity, liquid flow rate, and/or liquid supply pressure shall be conducted at least once per day and the results of the monitoring recorded daily. In addition to the monitoring of slurry liquid specific gravity, liquid supply pressure or liquid flow rate shall be monitored, as follows: **(4/12)**

(1) Slurry liquid specific gravity. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to ± 0.02 specific gravity units.

A minimum and maximum specific gravity shall be established within 180 days of initial start-up using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, and/or engineering calculations.

(2) Liquid flow rate. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following:

- ± 2% of span; or
- ± 5% of design liquid flow rate.

A minimum liquid flow rate shall be established within 180 days of initial startup using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, and/or engineering calculations; or

(3) Liquid supply pressure. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following:

- ± 5% of span; or
- ± 5% of design liquid supply pressure.

A minimum liquid supply pressure shall be established within 180 days of initial start-up using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, and/or engineering calculations.

F. A fabric filter PM emissions control system shall be associated with and operated in conjunction with each MHF. The system shall be operated and maintained in accordance with manufacturer's recommendations. PM emissions, including PM_{10} and $PM_{2.5}$, from the operation of each MHF must be controlled at all times by the system in accordance with Special Condition No. 5.C.

G. Each MHF Stack (EPNs: MHF2STACK, MHF3STACK, MHF4STACK, MHF5STACK, MHF6STACK, and MHF7STACK) shall be initially performance tested to demonstrate compliance with the MAERT limitations for the following air contaminants: PM, PM_{10}, $PM_{2.5}$, SO_2, NO_x, CO, sulfuric acid mist (H_2SO_4), HCl, hydrogen fluoride (HF) and O_2, and the exhaust concentrations for NO_x, CO, and VOC listed in Special Condition No. 8.D.(2). Stack testing for the same EPNs shall also include a demonstration that the minimum SDA efficiency required in Special Condition No. 8.E is met or exceeded. Unless otherwise indicated, the required testing approach is defined in Special Condition No. 10 and the test methods refer to EPA reference method (Reference Method) test as found in 40 CFR Part 60, Appendix A-1 through A-7 as follows: **(4/12)**

(1) For exhaust flow, diluent, and moisture concentration: Reference Method 1 through Reference Method 4.

(2) For PM, PM_{10}, and $PM_{2.5}$: The relevant methods and procedures defined in Special Condition No. 5.C.

(3) For SO_2: Reference Method 6, 6a, 6c, 8, or 8a, as appropriate.

(4) For H_2SO_4: Reference Method 8 or modified Method 8.

(5) For NO_x and O_2: Reference Method 7E.

(6) For CO: Reference Method 10.

(7) For VOC: Reference Method 25A.

(8) For HF and HCl: Reference Method 26 or Method 26A.

H. Concurrent with the performance testing required in Special Condition No. 8.G, the various operating parameter values or ranges of values to be used in ongoing demonstrations of compliance, as identified in the relevant paragraphs of Special Condition No. 8 will be established. Such parameters include but are not limited to the following:

(1) For fabric-filter-controlled, mechanically-vented PM sources that are part of the MHF system and listed in Special Condition No. 5.C., pressure drop across the filter media.

(2) For other MHF related systems, furnace feed rate and those parameters used to monitor the performance of the afterburner, including temperature and oxygen content, and other FGR parameters of Special Condition No. 8.D and the SDA system parameters of Special Condition No. 8.E.

(3) The VOC concentration shall be limited to 19.5 ppmvd, based on an annual average. The following shall be used to determine continuous compliance with this concentration.

a. A portable analyzer specifically designed for measuring VOC concentrations in ppmvd shall be used for this evaluation on a daily basis. A hot air probe or equivalent may be used with the analyzer to prevent damage to the probes because of high stack temperatures. Prior to and following the measurements, the portable analyzer shall be checked for accuracy using an audit gas that conforms to the specifications in 40 CFR Part 60 Appendix F, 5.1.2(3) to show that the analyzer meets the manufacturer=s accuracy tolerances. Any other method approved by the TCEQ Regional Director is also acceptable.

b. The concentration shall be measured and recorded in the as-found operating condition, except no compliance determination shall be established during start-up, shutdown, or under breakdown conditions.

9. Requirements for MHF MSS Operations. During MHF MSS Operations, as defined in Special Condition No. 7.B., emissions from the MHF will be vented to its respective MHF vent (EPNs: MHF2VENT, MHF3VENT, MHF4VENT, MHF5VENT, MHF6VENT, and MHF7VENT). The following additional requirements apply:

A. Total annual hours of MHF MSS operations when fuel is fired in the MHF is limited to 200 hours per each MHF system per rolling 12-month period.

B. Fuel. Only pipeline quality sweet natural gas may be fired in each MHF during MHF MSS operations. Records shall be kept of the hourly fuel firing rate for each hour of fuel firing and the number of hours fuel is fired for each MHF shall be kept monthly during MHF MSS operations.

C. Each MHF shall use low NO_x burners and good combustion practices, consistent with the representations made in the permit application dated October 29, 2008 updated as of July 22, 2009.

General Requirements for Initial Determination of Compliance

10. Performance testing to establish the actual pattern and emissions rates or values for monitoring parameters from the sources listed in the MAERT is required. Such testing shall be used to demonstrate compliance with the MAERT emissions limitations for the sources and to establish the necessary operating parameter values to be used in ongoing demonstrations of compliance for those sources.

    A. The sources to be tested and the methods to be used are listed or referenced in Special Condition Nos. 3 (federal requirements related to NSPS Subparts A and Y), 4 (visible emissions and opacity), 5 (PM emissions), and 8 (emissions associated with the operating of the MHF systems during normal operations). Testing, documenting, and reporting of the test results shall be performed in accordance with TCEQ Sampling Procedures Manual.

    B. Sampling ports and platform(s) shall be incorporated into the design of the various sources to be tested according to the specifications set forth in the attachment entitled, "Chapter 2, Stack Sampling Facilities." Alternate sampling facility designs may be submitted for approval by the TCEQ Tyler Regional Director.

    C. Sampling shall occur within 180 days after initial start-up of the individual facility being tested or within 180 days after the date of permit issuance for existing sources authorized by this permit, whichever comes first, and at such times as may be required by the Executive Director of the TCEQ. Requests for additional time to perform sampling shall be submitted to the TCEQ Tyler Regional office.

    Sources subject to performance testing in this permit and as a result of being subject to testing required in NSPS Subparts A and Y shall comply with both the NSPS testing requirements and timeframes and the testing required in this permit. When this occurs, agreement must be reached with the TCEQ in order to allow a given test to satisfy the requirements of both the permit and NSPS. Additional time to comply with the applicable requirements of NSPS requires EPA approval, and requests shall be submitted to the TCEQ Tyler Regional Office.

    D. The TCEQ Tyler Regional Office shall be contacted as soon as testing is scheduled but not less than 45 days prior to sampling to schedule a pretest meeting for one or more sources. The notice shall include:

        (1) Date for pretest meeting
        (2) Date sampling will occur.
        (3) Name of firm conducting sampling.
        (4) Type of sampling equipment to be used.
        (5) Method or procedure to be used in sampling.
        (6) The sources to be tested.

    The purpose of the pretest meeting is to review the necessary sampling and testing procedures, to provide the proper data forms for recording pertinent data, and to review the format procedures for submitting the test reports.

    A written proposed description of any deviation from sampling procedures specified in permit conditions or TCEQ or EPA sampling procedures shall be made available to the TCEQ prior to the pretest meeting. The Regional Director shall approve or disapprove of any deviation from specified sampling procedures.

    Requests to waive testing for any source or pollutant specified in Special Condition No. 10.A. shall be submitted to the TCEQ Office of Air, Air Permits Division. Test waivers and alternate/equivalent procedure proposals for NSPS testing which must have EPA approval shall be submitted to the TCEQ Tyler Regional office.

E. The plant shall operate at maximum feed rates during emission testing. Primary operating parameters that enable determination of feed rate shall be monitored and recorded during the stack test. These parameters are to be determined at the pretest meeting. If the plant is unable to operate at maximum feed rates during testing, then additional stack testing may be required when higher rates are achieved.

F. Copies of the final sampling report shall be forwarded to the TCEQ within 60 days after sampling is completed. Sampling reports shall comply with the attached provisions of Chapter 14 of the TCEQ Sampling Procedures Manual. The reports shall be distributed as follows:

One copy to the TCEQ Tyler Regional Office.
One copy to the TCEQ Air Permits Division, Combustion and Coatings Section, Austin.

Recordkeeping/Reporting Requirements

11. Records of all monitoring, visible emissions or opacity observations, inspections, corrective action, maintenance, throughput values, and other records required by any special condition of this permit must be kept for either the life of the permit or for five years after the date that they are required to be made, as specified in Conditions 11.A and 11.B. The records shall be legible and maintained in an orderly manner, and may be kept electronically. All records shall be made available immediately upon request to the Executive Director, his designated representative, or any local air pollution control agency having jurisdiction. When a request is made for records kept electronically, then those records are to be produced in a format and within the timeframe specified by the requestor. The various records required to be kept include:

A. Those records that must be kept for the life of the permit include:

(1) A copy of this permit.

(2) The permit application submittals for this permit dated August 26, 2008, the application for this PSD permit dated October 29, 2008, as updated on July 22, 2009 and June 22, 2010, and any updates as of the date of the issuance of this permit.

(3) The original and as-built plot plans described in Special Condition No. 2.

(4) The Modeling Report associated with this permit dated July 2009 and the additional modeling reports and data supplied as of June 2010.

(5) Copies of any performance test results, except Test Methods 9 and 22 test results, and the results of any tests performed to establish monitoring parameter values and reports required by this permit or by NSPS Subparts A or Y. Testing used to make the first demonstration of compliance with any emissions limitation or standard or to establish or re-establish monitoring parameter values is considered performance testing for the source, as are tests specifically termed so in this permit. All performance tests results shall also include the field data sheets for the tests.

B. Those records that must be kept for at least 5 years from the date that they were collected include, but are not limited to:

(1) Special Condition No. 4. Any Test Method 9 or Test Method 22 observation field data sheets and reports required by the Special Condition and reports required under NSPS A and Y for visible emissions and opacity observations, any inspections performed, actions taken to resolve any identified problems, and logs of maintenance actions performed.

(2) Special Condition No. 5 and:

a. Special Condition No. 5.A. Records of visible emissions or opacity observations conducted, any inspections performed, actions taken to resolve any identified problems, and logs of maintenance actions performed.

b. Special Condition No. 5.B. Records of performance indicators measurements made, samples taken, and test methods performed and equipment calibrations made. Records of any inspections performed, actions taken to resolve any identified problems, and logs of maintenance actions performed.

c. Special Condition No. 5.C. Records of performance indicators (e.g., pressure drop), measurements and equipment calibrations made. Records of any required visible emissions or opacity observations made. Records of any inspections performed, actions taken to resolve any identified problems, and logs of maintenance actions performed.

(3) Special Condition No. 6 as follows:

a. Records of daily and annual throughput rates for each facility listed in Special Condition Nos. 6.A and 6.B.

b. Records of daily and annual operating hours for each facility listed in Special Condition No. 6.C.

(4) Special Condition No. 8 (MHF Normal Operations scenario) and:

a. Special Condition No. 8.A. Records to demonstrate the type of feedstock used.

b. Special Condition No. 8.B. Records of total monthly natural gas fired and hourly feedstock feed rate (tons per hour) records for each facility.

c. Special Condition No. 8.D. Records of natural gas usage, combustion chamber temperature, and daily values for FGR parameters monitored and oxygen content monitored for each afterburner including the established minimum and maximum oxygen concentration and the minimum FGR fan motor current.

d. Special Condition No. 8.E. Records of daily readings of slurry specific gravity, liquid flow rate and/or liquid supply pressure as required for each SDA including the established minimum and maximum specific gravity, the minimum liquid flow rate, and/or the minimum liquid supply pressure.

e. Special Condition No. 8.H. Compliance with annual VOC MAERT limits shall be based on calculations that are updated monthly based on daily records which are then used to determine the rolling 12-month emissions rates and the annual VOC concentration limit specified in Special Condition No. 8.H.(3).

(5) Special Condition No. 9 (MHF MSS Operations scenario). Monthly records to demonstrate the hours of MSS operations for each MHF and the amount of natural gas used.

12. Demonstrations of Compliance.

A. Unless otherwise noted in the individual special conditions of this permit, compliance with the limitations in the MAERT shall be demonstrated at least monthly for each source using the records identified in Special Condition Nos. 11.A and 11.B. as follows:

(1) For sources with hourly emission limitations, compliance with MAERT limits shall be based on calculations that are updated monthly based on daily records.

(2) For sources with annual MAERT limitations whose method of calculation is not otherwise specified, the annual emissions shall be based on a rolling 12-month emissions total that is calculated using the most recent monthly totals calculated in Special Condition No 12.A.(1).

B. For sources with daily, hourly, or annual usage limitations, monthly records shall be maintained to demonstrate compliance with the respective limitations. Compliance with annual usage limitations shall be on a 12 month rolling basis.

C. Examples of all calculations and the basis of all assumptions used to demonstrate compliance with any limitation or standard required in this permit shall be kept for at least five years and made available upon demand of the TCEQ or representative of any air pollution control program with jurisdiction.

Dated: April 13, 2012

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 78421 and PSDTX1183

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities, sources, and related activities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

Air Contaminants Data

Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**	
			lbs/hour	**TPY (4)**
LGNTUNLPIT	Lignite Unloading Pit Fugitives	PM	0.01	0.01
		$PM_{10}/PM_{2.5}$	<0.01	<0.01
STAMLER	Stamler Mill (Lignite Crusher #1) Fugitives	PM	0.02	0.03
		PM_{10}	0.01	0.02
		$PM_{2.5}$	<0.01	<0.01
LGPTTOLSB	Transfer Lignite-to-Lignite Surge Bin Fugitives	PM	0.03	0.04
		PM_{10}	0.01	0.01
		$PM_{2.5}$	<0.01	<0.01
KLN5TRNSFR	Kiln 5 Transfer Conveyors Fugitives	PM	0.03	0.04
		PM_{10}	0.01	0.01
		$PM_{2.5}$	<0.01	<0.01
WILLMILL	Williams Mill Fugitives	PM	0.02	0.03
		PM_{10}	0.01	0.02
		$PM_{2.5}$	<0.01	<0.01
FGTVTRNSFR	Lignite Transfer to Kilns 2, 3, and 4 Fugitives	PM	0.03	0.04
		PM_{10}	0.01	0.01
		$PM_{2.5}$	<0.01	<0.01
MHFXFRDCVT	MHF #1Lignite Transfer Pt Dust Vent	$PM/PM_{10}/PM_{2.5}$	0.05	0.23
MHFLSDCVT	MHF #1 Lignite Silo DC Vent (Lignite Silo #3)	$PM/PM_{10}/PM_{2.5}$	0.05	0.23
MHFLS2DCVT	MHF #2 Lignite Silo DC Vent (Lignite Silo #4)	$PM/PM_{10}/PM_{2.5}$	0.05	0.23
M2FDBNDCVT	MHF #2 Feed Bin DC Vent	$PM/PM_{10}/PM_{2.5}$	0.02	0.09
LIGSIL4VFD	Lignite Silo #4 (MHF #2 Lignite Silo) Vibrating Feeder	PM	0.01	0.03
		PM_{10}	0.01	0.02
		$PM_{2.5}$	<0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
MHF2STACK	MHF #2 Stack -Normal Operations (5)	$PM/PM_{10}/PM_{2.5}$	2.64	11.54
		NO_x	9.10	39.86
		SO_2	16.40	71.83
		CO	6.60	28.91
		VOC	2.30	6.55
		Pb	<0.01	0.02
		H_2SO_4	0.98	4.29
		Hg	<0.01	0.01
		HCl	0.31	1.35
		HF	0.06	0.24
MHF2VENT	MHF #2 Vent - MSS Operations (6)	$PM/PM_{10}/PM_{2.5}$	0.29	0.03
		NO_x	1.21	0.12
		SO_2	0.02	<0.01
		CO	3.17	0.32
		VOC	0.21	0.02
13BKBNDCSK	#13 Bulk Bin DC Stack	PM/PM_{10}	0.13	0.56
		$PM_{2.5}$	0.01	0.06
14BKBNDCSK	#14 Bulk Bin DC Stack	PM/PM_{10}	0.13	0.56
		$PM_{2.5}$	0.01	0.06
15BKBNDCSK	#15 Bulk Bin DC Stack	PM/PM_{10}	0.13	0.56
		$PM_{2.5}$	0.01	0.06
16BKBNDCSK	#16 Bulk Bin DC Stack	PM/PM_{10}	0.13	0.56
		$PM_{2.5}$	0.01	0.06
6MILLDCSTK	#6 Mill DC Stack	PM/PM_{10}	0.21	0.94
		$PM_{2.5}$	0.01	0.09
6MILLVAC	#6 Mill Vacuum Unit Vent	$PM/PM_{10}/PM_{2.5}$	0.02	0.09
6MILLFDBNA	#6 Mill Feed Bin A DC Stack	PM/PM_{10}	0.04	0.19
		$PM_{2.5}$	0.01	0.02
6MILLFDBNB	#6 Mill Feed Bin B DC Stack	PM/PM_{10}	0.04	0.19
		$PM_{2.5}$	0.01	0.02

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
M3XFERDCSK	MHF3 Conveyor and Tote Bag Loading DC Vent	$PM/PM_{10}/PM_{2.5}$	0.06	0.28
LOB1DCST	Load Out Bin #1 DC Stack	PM/PM_{10}	0.15	0.66
		$PM_{2.5}$	0.02	0.07
LS1DCSTK	Loading Spout #1 DC Stack	PM/PM_{10}	0.06	0.09
		$PM_{2.5}$	0.01	0.01
LOB2DCST	Load Out Bin #2 DC Stack	PM/PM_{10}	0.15	0.66
		$PM_{2.5}$	0.02	0.07
LS2DCSTK	Loading Spout #2 DC Stack	PM/PM_{10}	0.06	0.09
		$PM_{2.5}$	0.01	0.01
M3FDBNDCVT	MHF #3 Feed Bin DC Vent	$PM/PM_{10}/PM_{2.5}$	0.02	0.09
MHF3STACK	MHF #3 Stack - Normal Operations (5)	$PM/PM_{10}/PM_{2.5}$	2.64	11.54
		NO_x	9.10	39.86
		SO_2	16.40	71.83
		CO	6.60	28.91
		VOC	2.30	6.55
		Pb	<0.01	0.02
		H_2SO_4	0.98	4.29
		Hg	<0.01	0.01
		HCl	0.31	1.34
		HF	0.06	0.24
MHF3VENT	MHF #3 Vent - MSS Operations (6)	$PM/PM_{10}/PM_{2.5}$	0.29	0.03
		NO_x	1.21	0.12
		SO_2	0.02	<0.01
		CO	3.17	0.32
		VOC	0.21	0.02
17BKBNDCSK	#17 Bulk Bin DC Stack	PM/PM_{10}	0.13	0.56
		$PM_{2.5}$	0.01	0.06
18BKBNDCSK	#18 Bulk Bin DC Stack	PM/PM_{10}	0.13	0.56
		$PM_{2.5}$	0.01	0.06

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
19BKBNDCSK	#19 Bulk Bin DC Stack	PM/PM_{10}	0.13	0.56
		$PM_{2.5}$	0.01	0.06
20BKBNDCSK	#20 Bulk Bin DC Stack	PM/PM_{10}	0.13	0.56
		$PM_{2.5}$	0.01	0.06
7MILLDCSTK	#7 Mill DC Stack	$PM/PM_{10}/PM_{2.5}$	0.21	0.94
7MILLFDBNA	#7 Mill Feed Bin A DC Stack	PM/PM_{10}	0.04	0.19
		$PM_{2.5}$	0.01	0.02
7MILLFDBNB	#7 Mill Feed Bin B DC Stack	PM/PM_{10}	0.04	0.19
		$PM_{2.5}$	0.01	0.02
LOB3DCST	Load Out Bin #3 DC Stack	PM/PM_{10}	0.15	0.66
		$PM_{2.5}$	0.02	0.07
LS3DCSTK	Loading Spout #3 DC Stack	PM/PM_{10}	0.06	0.09
		$PM_{2.5}$	0.01	0.01
LOB4DCST	Load Out Bin #4 DC Stack	PM/PM_{10}	0.15	0.66
		$PM_{2.5}$	0.02	0.07
LS4DCSTK	Loading Spout #4 DC Stack	PM/PM_{10}	0.06	0.09
		$PM_{2.5}$	0.01	0.01
M2ASHDCVT	MHF #2-3 Ash Silo Vacuum Blower DC	$PM/PM_{10}/PM_{2.5}$	0.13	0.56
M2ASHLOAD	MHF #2-3 Ash Silo Truck Loading DC	$PM/PM_{10}/PM_{2.5}$	0.06	0.09
GENCOOL1	Generator Cooling Tower #1	$PM/PM_{10}/PM_{2.5}$	0.03	0.13
LIGPIT2	Lignite Unloading Pit #2	$PM/ PM_{10}/PM_{2.5}$	<0.01	<0.01
CRUSHER2	Lignite Crusher #2	PM	0.02	0.02
		PM_{10}	0.01	0.01
		$PM_{2.5}$	<0.01	<0.01
CRUSHER3	Lignite Crusher #3	PM	0.02	0.02
		PM_{10}	0.01	0.01
		$PM_{2.5}$	<0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
LIGCNV2	Lignite Conveyor #2	PM	0.02	0.02
		PM_{10}	0.01	0.01
		$PM_{2.5}$	<0.01	<0.01
LS5DCVT	Lignite Silos #5 and #6 DC Vent	$PM/PM_{10}/PM_{2.5}$	0.09	0.38
M4FDBNDCVT	MHF #4 Feed Bin DC Vent	$PM/PM_{10}/PM_{2.5}$	0.02	0.09
MHF4STACK	MHF #4 Stack - Normal Operations (5)	$PM/PM_{10}/PM_{2.5}$	2.64	11.54
		NO_x	9.10	39.86
		SO_2	16.40	71.83
		CO	6.60	28.91
		VOC	2.30	6.55
		Pb	<0.01	0.02
		H_2SO_4	0.98	4.29
		Hg	<0.01	0.01
		HCl	0.31	1.35
		HF	0.06	0.24
MHF4VENT	MHF #4 Vent - MSS Operations (6)	$PM/PM_{10}/PM_{2.5}$	0.29	0.03
		NO_x	1.21	0.12
		SO_2	0.02	<0.01
		CO	3.17	0.32
		VOC	0.21	0.02
M5FDBNDCVT	MHF #5 Feed Bin DC Vent	$PM/PM_{10}/PM_{2.5}$	0.02	0.09

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
MHF5STACK	MHF #5 Stack - Normal Operations (5)	$PM/PM_{10}/PM_{2.5}$	2.64	11.54
		NO_x	9.10	39.86
		SO_2	16.40	71.83
		CO	6.60	28.91
		VOC	2.30	6.55
		Pb	<0.01	0.02
		H_2SO_4	0.98	4.29
		Hg	<0.01	0.01
		HCl	0.31	1.35
		HF	0.06	0.24
MHF5VENT	MHF #5 Vent - MSS Operations (6)	$PM/PM_{10}/PM_{2.5}$	0.29	0.03
		NO_x	1.21	0.12
		SO_2	0.02	<0.01
		CO	3.17	0.32
		VOC	0.21	0.02
M4ASHDCVT	MHF #4-5 Ash Silo Vacuum Blower DC	$PM/PM_{10}/PM_{2.5}$	0.13	0.56
M4ASHLOAD	MHF #4-5 Ash Silo Truck Loading DC	$PM/PM_{10}/PM_{2.5}$	0.06	0.09
M6FDBNDCVT	MHF #6 Feed Bin DC Vent	$PM/PM_{10}/PM_{2.5}$	0.02	0.09
MHF6STACK	MHF #6 Stack - Normal Operations (5)	$PM/PM_{10}/PM_{2.5}$	2.64	11.54
		NO_x	9.10	39.86
		SO_2	16.40	71.83
		CO	6.60	28.91
		VOC	2.30	6.55
		Pb	<0.01	0.02
		H_2SO_4	0.98	4.29
		Hg	<0.01	0.01
		HCl	0.31	1.35
		HF	0.06	0.24

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
MHF6VENT	MHF #6 Vent - MSS Operations (6)	$PM/PM_{10}/PM_{2.5}$	0.29	0.03
		NO_x	1.21	0.12
		SO_2	0.02	<0.01
		CO	3.17	0.32
		VOC	0.21	0.02
M7FDBNDCVT	MHF #7 Feed Bin DC Vent	$PM/PM_{10}/PM_{2.5}$	0.02	0.09
MHF7STACK	MHF #7 Stack - Normal Operations (5)	$PM/PM_{10}/PM_{2.5}$	2.64	11.54
		NO_x	9.10	39.86
		SO_2	16.40	71.83
		CO	6.60	28.91
		VOC	2.30	6.55
		Pb	<0.01	0.02
		H_2SO_4	0.98	4.29
		Hg	<0.01	0.01
		HCl	0.31	1.35
		HF	0.06	0.24
MHF7VENT	MHF #7 Vent - MSS Operations (6)	$PM/PM_{10}/PM_{2.5}$	0.29	0.03
		NO_x	1.21	0.12
		SO_2	0.02	<0.01
		CO	3.17	0.32
		VOC	0.21	0.02
M6ASHDCVT	MHF #6-#7 Ash Silo Vacuum Blower DC	$PM/PM_{10}/PM_{2.5}$	0.13	0.56
M6ASHLOAD	MHF #6-#7 Ash Silo Truck Loading DC	$PM/PM_{10}/PM_{2.5}$	0.06	0.09
MHFVAC	MHF #4-#7 Vacuum Unit Vent	$PM/PM_{10}/PM_{2.5}$	0.02	0.09
8MILLFDBNA	#8 Mill Feed Bin A DC	PM/PM_{10}	0.04	0.19
		$PM_{2.5}$	0.01	0.02
8MILLFDBNB	#8 Mill Feed Bin B DC	PM/PM_{10}	0.04	0.19
		$PM_{2.5}$	0.01	0.02

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
8MILLFDBNC	#8 Mill Feed Bin C DC	PM/PM_{10}	0.04	0.19
		$PM_{2.5}$	0.01	0.02
8MILLFDBND	#8 Mill Feed Bin D DC	PM/PM_{10}	0.04	0.19
		$PM_{2.5}$	0.01	0.02
9MILLFDBNA	#9 Mill Feed Bin A DC	PM/PM_{10}	0.04	0.19
		$PM_{2.5}$	0.01	0.02
9MILLFDBNB	#9 Mill Feed Bin B DC	PM/PM_{10}	0.04	0.19
		$PM_{2.5}$	0.01	0.02
9MILLFDBNC	#9 Mill Feed Bin C DC	PM/PM_{10}	0.04	0.19
		$PM_{2.5}$	0.01	0.02
9MILLFDBND	#9 Mill Feed Bin D DC	PM/PM_{10}	0.04	0.19
		$PM_{2.5}$	0.01	0.02
10MILLFDBNA	#10 Mill Feed Bin A DC	PM/PM_{10}	0.04	0.19
		$PM_{2.5}$	0.01	0.02
10MILLFDBNB	#10 Mill Feed Bin B DC	PM/PM_{10}	0.04	0.19
		$PM_{2.5}$	0.01	0.02
10MILLFDBNC	#10 Mill Feed Bin C DC	PM/PM_{10}	0.04	0.19
		$PM_{2.5}$	0.01	0.02
10MILLFDBND	#10 Mill Feed Bin D DC	PM/PM_{10}	0.04	0.19
		$PM_{2.5}$	0.01	0.02
8MILLDCSTK	#8 Mill DC Stack	PM/PM_{10}	0.21	0.94
		$PM_{2.5}$	0.01	0.09
21BKBNDCSK	#21 Bulk Bin DC Stack	PM/PM_{10}	0.13	0.56
		$PM_{2.5}$	0.01	0.06
22BKBNDCSK	#22 Bulk Bin DC Stack	PM/PM_{10}	0.13	0.56
		$PM_{2.5}$	0.01	0.06
23BKBNDCSK	#23 Bulk Bin DC Stack	PM/PM_{10}	0.13	0.56
		$PM_{2.5}$	0.01	0.06
24BKBNDCSK	#24 Bulk Bin DC Stack	PM/PM_{10}	0.13	0.56
		$PM_{2.5}$	0.01	0.06

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
LOB5DCST	Load Out Bin #5 DC Stack	PM/PM_{10}	0.15	0.66
		$PM_{2.5}$	0.02	0.07
LS5DCSTK	Loading Spout #5 DC Stack	PM/PM_{10}	0.06	0.09
		$PM_{2.5}$	0.01	0.01
LOB6DCST	Load Out Bin #6 DC Stack	PM/PM_{10}	0.15	0.66
		$PM_{2.5}$	0.02	0.07
LS6DCSTK	Loading Spout #6 DC Stack	PM/PM_{10}	0.06	0.09
		$PM_{2.5}$	0.01	0.01
9MILLDCSTK	#9 Mill DC Stack	PM/PM_{10}	0.34	1.50
		$PM_{2.5}$	0.04	0.15
9MILLVAC	#9 Mill Vacuum Unit Vent	$PM/PM_{10}/PM_{2.5}$	0.02	0.09
25BKBNDCSK	#25 Bulk Bin DC Stack	PM/PM_{10}	0.13	0.56
		$PM_{2.5}$	0.01	0.06
26BKBNDCSK	#26 Bulk Bin DC Stack	PM/PM_{10}	0.13	0.56
		$PM_{2.5}$	0.01	0.06
27BKBNDCSK	#27 Bulk Bin DC Stack	PM/PM_{10}	0.13	0.56
		$PM_{2.5}$	0.01	0.06
28BKBNDCSK	#28 Bulk Bin DC Stack	PM/PM_{10}	0.13	0.56
		$PM_{2.5}$	0.01	0.06
LOB7DCST	Load Out Bin #7 DC Stack	PM/PM_{10}	0.15	0.66
		$PM_{2.5}$	0.02	0.07
LS7DCSTK	Loading Spout #7 DC Stack	PM/PM_{10}	0.06	0.09
		$PM_{2.5}$	0.01	0.01
LOB8DCST	Load Out Bin #8 DC Stack	PM/PM_{10}	0.15	0.66
		$PM_{2.5}$	0.02	0.07
LS8DCSTK	Loading Spout #8 DC Stack	PM/PM_{10}	0.06	0.09
		$PM_{2.5}$	0.01	0.01
10MILLDCSTK	#10 Mill DC Stack	PM/PM_{10}	0.34	1.50
		$PM_{2.5}$	0.04	0.15

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
29BKBNDCSK	#29 Bulk Bin DC Stack	PM/PM_{10}	0.13	0.56
		$PM_{2.5}$	0.01	0.06
30BKBNDCSK	#30 Bulk Bin DC Stack	PM/PM_{10}	0.13	0.56
		$PM_{2.5}$	0.01	0.06
31BKBNDCSK	#31 Bulk Bin DC Stack	PM/PM_{10}	0.13	0.56
		$PM_{2.5}$	0.01	0.06
32BKBNDCSK	#32 Bulk Bin DC Stack	PM/PM_{10}	0.13	0.56
		$PM_{2.5}$	0.01	0.06
LOB9DCST	Load Out Bin #9 DC Stack	PM/PM_{10}	0.15	0.66
		$PM_{2.5}$	0.02	0.07
LS9DCSTK	Loading Spout #9 DC Stack	PM/PM_{10}	0.06	0.09
		$PM_{2.5}$	0.01	0.01
LOB10DCST	Load Out Bin #10 DC Stack	PM/PM_{10}	0.15	0.66
		$PM_{2.5}$	0.02	0.07
LS10DCSTK	Loading Spout #10 DC Stack	PM/PM_{10}	0.06	0.09
		$PM_{2.5}$	0.01	0.01
LOB11DCST	Load Out Bin #11 DC Stack	PM/PM_{10}	0.15	0.66
		$PM_{2.5}$	0.02	0.07
LS11DCSTK	Loading Spout#11 DC Stack	PM/PM_{10}	0.06	0.09
		$PM_{2.5}$	0.01	0.01
GENCOOL2	Generator Cooling Tower #2	$PM/PM_{10}/PM_{2.5}$	0.06	0.25
LS1DCVT	Lignite Silos #1 DC Vent	$PM/PM_{10}/PM_{2.5}$	0.09	0.38
LS2DCVT	Lignite Silos #2 DC Vent	$PM/PM_{10}/PM_{2.5}$	0.09	0.38

Emission Sources - Maximum Allowable Emission Rates

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
DC - dust collector
(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$
PM_{10} - particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
HCl - hydrogen chloride
HF - hydrogen fluoride
Hg - mercury
H_2SO_4 - sulfuric acid
Pb - lead
(4) Compliance with annual emission limits is based on a rolling 12-month period.
(5) Activities and emissions associated with MHF Normal Operations as defined in Special Condition Nos. 7 and 8.
(6) Activities and emissions associated with MHF MSS Operations as defined in Special Condition Nos. 7 and 9.

Dated: April 13, 2012